Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Metal Exports Placed Under License Control

The Office of Industry and Commerce of the Department of Commerce announced that, effective September 28, additional destination controls have been placed on exports of several nonferrous metals and manufactures. As a result, validated licenses will now be required for exports of these commodities to all destinations except Canada. Formerly, validated licenses were required only for shipments made outside the Western Hemisphere. Commodity descriptions of the nonferrous metals and manufacturers to which the additional destination controls apply are:—

Aluminum ores and concentrates:—Bauxite concentrates, alumina included.

Aluminum and aluminum-base alloys:—Ingots, slabs, pigs, blooms, and other crude forms; scrap solids; scrap borings, turnings and dross; bars and rods (including rolled and extruded); aluminum foil and leaf (less than .006 inch thick); mill shapes (specify by name); wire, except woven-wire insect screen cloth; perforated aluminum sheets.

Copper and manufactures:—Copper manufactures, not elsewhere specified.

Brass and bronze manufactures:—Brass and bronze diestocks, shims, bearings and bushings.

Lead and manufactures:—Other lead manufactures, not elsewhere specified.

Zinc and manufactures:—Zinc scrap; photoengraving sheets and plates; sheets, plates and strips, not elsewhere specified; zinc alloys, except brass and bronze; zinc die castings; other forms, not elsewhere specified; zinc dust.

Also effective the same date the following zinc manufactures (containing 20 per-

—*Continued on page 78*

Cuban Sugar Quota Filled

Department of Agriculture has announced that 375 000 short tons, raw value, the portion of the Cuban 1950 sugar quota which may be imported as direct-consumption sugar, have been entered or certified for entry into the continental United States. No additional entries of Cuba direct-consumption sugar may be made until additional quota becomes available on January 1, 1951. There still remain, however, approximately 850,000 short tons of the 1950 Cuban quota against which entries of raw sugar for further processing may be made.

Flaxseed World Output Seen Increased in 1950

World production of flaxseed in 1950 is estimated at 139,970,000 bushels, only slightly more than the 1949 production of 139,825,000 bushels, according to the Office of Foreign Agricultural Relations. Although decreases in production occurred in North America, Europe, Asia and Africa, these were offset by the large increase in South America and minor increases elsewhere.

North American production is estimated at 40,628,000 bushels against 47,930,000 bushels in 1949. Production in Europe is estimated at 9,400,000 bushels against 10,500,000 bushels; in Asia, 19,440,000 bushels against 20,145,000 bushels; in South America, 39,460,000 bushels against 30,235,000 bushels; in Africa, 1,500,000 bushels against 4,540,000 bushels, and Oceania, 540,000 bushels against 385,000 bushels.

Atlas Requests Extension Of FDA Emulsifier Ban

The Atlas Powder Company, Wilmington, Del., has asked for an additional month to file its exceptions to a tentative Food and Drug Administration ban on bread emulsifiers, it was announced by the federal agency last week. FDA stated that Atlas, which, at present, has until October 9 to file, has requested that the deadline be extended to November 9 to permit its technical staff to thoroughly study the complex data contained in the order.

FDA's tentative bread standards require that bakers use only natural shortening products. This, in effect, would disallow the use of so-called artificial bread softeners, such as produced by Atlas. The American Bakers Association, Glyco Products Company, Brooklyn, N.Y., and C. J. Patterson, Kansas City, Mo., have also filed for a postponement.

Chemical Price Trend Still Moving Up

The vast number of fourth quarter price increases for chemicals and related materials has boosted the general index number another 0.6 point and it is now 9.0 points higher than at this time last year. Lending most support to the higher index were increased prices, effective October 1, in the markets for protective coating materials and for heavy chemicals.

Advances in colors and further increases in phthalates featured the protective coatings market. Metals were without feature and lead and zinc pigments remained unchanged. Some of the natural resins were up and the synthetics were in strong demand. Argentine casein was higher but other grades held. There were no reductions.

Most satisfying news of the week was the complete settlement of the alkali strikes. Shipments are expected to start rolling by the end of this week and to increase next week. Contract price advances on a long list of heavy chemicals are now in effect. Heavy demand for chromic, muriatic and sulphuric acids, copper and nickel sulphate is exceeding current production.

Dyestuffs are generally higher now, a reflection of the wide number of intermediates which have undergone price increases during recent weeks and for the fourth quarter. Last week's boosts were in rubber accelerators and paranitroanilin. The strike in a major tar distillation plant, in effect since July 1, had not as yet been settled, but the resumption of alkalies production was welcome news to makers of intermediates.

Fine chemicals were generally firm at the higher prices recently established. There were several changes in drug items. Para-aminosalicylic acid and its sodium salt were advanced for the fourth quarter, and higher prices were registered for camphor, alcohol, methylene blue and crude glycerin. Menthol and cocoa butter were reduced.

The botanical drug market witnessed a rash of price changes with twenty-eight items advanced and twenty-seven reduced. In botanical drugs, there were ten advances and nine declines. In condimental items, eighteen were higher and eighteen lower. A decided change was noted in the market for essential oils and aromatic chemicals. Following three months of sharp price advances and excessive buying, things slowed down. A number of increases were noted, but they were far less severe than previously.

The trend in the oils and fats market continued downward under quiet demand and favorable war news. Heavy export business in soybean oil for forward shipment to Germany at sharp price concessions was a reflection of the weakness of the market. Most edible and inedible oils were lowered. Only crude beeswax was advanced.

Prices have been raised on domestic urea due to higher manufacturing costs. Hoofmeal was fractionally higher at Chicago and dried blood was lower in the west. Among the pesticides, chloropicrin was advanced and there was no significant easement in the supply of DDT and BHC. While demand for textile and leather chemicals was fairly active, the volume of business was noticeably smaller in most materials. Hydrogen and sodium peroxides were advanced and potato starch reduced.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Sept. 29, 1950	Sept. 22, 1950	Dec. 30, 1949	Sept. 30, 1949
137.0	136.4	124.8	128.0

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5
August	128.8	128.9	140.4	136.6	128.2

NPA Preparing Defense Materials Priorities; Benzol Output Studied

An order establishing priorities for government contractors on materials needed for the national defense program is being prepared by the National Production Authority for issuance this week. At the same time, consideration is going forward on an expansion of the benzol productive capacity to meet the growing needs of national defense and the civilian economy and there is also some talk in government circles of the advisability of expanding chlorine production.

NPA officials report that there are several important details in the priorities order yet to be worked out, but, in general, it will give the military first call on available materials needed. The latest draft of the order is said to deal only with military priorities and contains no provision for rating civilian needs relative to their importance to the national economy, although this is still a matter of consideration.

The benzol situation has been under active consideration for over a month when it became apparent that supplies would not be sufficient to meet the needs of a revived synthetic rubber industry and the stepped-up aviation gasoline program, as well as an expanding civilian economy. An interdepartmental committee that has been working on the problem has just completed its report recommending that the productive capacity of the industry be expanded, and that the expansion take place in production of the material from petroleum rather than coal or coke.

Method of Expansion

Whether the expansion should be a government-financed or a privately-financed project is a matter still under consideration. Government officials have been talking of a needed increase in the industry's capacity of around 40,000,000 gallons annually at a cost of about $50,000,000. A further discussion of this question will be had at a conference to be held with the chemicals section of NPA October 3, attended by the producers and heavy consumers.

Early in the deliberations on the benzol problem, it is understood, the Department of the Interior made a strong plea for obtaining the needed additional supplies of the material from the hydrogenation of coal. This has been turned down, however, as being too costly and time-consuming. One estimate placed the cost of a plant that would turn out 35,000,000 gallons of benzol annually from coal hydrogenation at $250,000,000 and two and one-half years to build.

The problem in chlorine, like that of

—*Continued on page 78*

Nickel Output Increase Studied at Conference

Producers of nickel explored the supply and demand situation for this product and discussed the provisions of the defense production act as they affect basic materials at a conference September 25 with officials of the National Production Authority.

Possibilities for the expansion of production were reviewed, as were other steps to alleviate present shortages or to prevent shortages which might result from our accelerated defense program and increased civilian demand both here and abroad.

William H. Harrison, Administrator of NPA, and representatives of the Bureau of Mines told the group that advance joint planning by industry and government could prevent serious dislocations of stocks later on when the full impact of the defense program will hit.

Nickel producers present at the meeting were:—F. D. Merica and Walter Kerrigan of International Nickel Company, and Thayer Lindsley and H. J. Fraser of Falconbridge Nickel Mines, Ltd.

Synthetic Rubber Allocation Order to be Issued by NPA

The National Production Authority announced September 28 that an order will be issued shortly formally allocating synthetic rubber among manufacturers of rubber products. This is the first material to go under direct allocation in the national defense program.

At a meeting with the rubber industry advisory committee, it was stated that the order will cover the following types of rubber:—GR-S and GR-S latex, and butyl (GR-I). Allocations will be based on a percentage of total new rubber consumed by each manufacturer of rubber products during the year ended last June 30.

The order will simply limit the use of new rubber for an indefinite period in the future but will contain no provisions relating to the use to be made of the rubber. The allocation order will be an amendment to rubber order No. 1, which limits the consumption of new rubber without reference to the type of consumer.

Peanut Price Support Rules for 1950 Issued

Regulations covering the loans, purchases, and other operations of the 1950 crop peanut price support program were issued September 26 by the Production and Marketing Administration and Commodity Credit Corporation.

The regulations state that CCC will support the price of the 1950 crop of peanuts by means of (1) contracts with shellers whereunder the sheller agrees to pay eligible producers not less than the support price for quota peanuts and the announced oil price for excess oil peanuts, in consideration of CCC's agreement to purchase from the seller any surplus inventory of farmers stock peanuts, to purchase No. 2 shelled peanuts produced by the sheller from farmers stock peanuts and to make the sheller eligible for direct or indirect loans to assist him in financing purchases from producers, (2) purchases of farmers stock peanuts from producers through receiving agencies, and (3) loans to producers on farm stored peanuts.

Liquid Fuels Bill Signed

President Truman signed the synthetic liquid fuels bill (H. R. 8975) into law last week. This bill authorizes an additional $27,600,000 for the research program and extends the life of the project for another three years.

Hoffman Resigns as ECA Head; Succeeded by Foster

Paul G. Hoffman resigned September 26 as administrator of the Economic Cooperation Administration and was succeeded by William C. Foster, who has been deputy administrator since June, 1949. Mr. Hoffman has been administrator since the agency was established in April, 1948. His resignation became effective September 30.

Mr. Foster was Undersecretary of Commerce from 1946 until he went over to ECA. Previously, he was closely associated with the department as a member of the department's small business advisory committee, and with the war department as a member of various groups aiding the department on purchasing policies.

The resignation of Wayne Chatfield-Taylor as assistant to ECA Administrator Hoffman was also announced, to take effect with the close of the month. Like Mr. Hoffman, Mr. Chatfield-Taylor will serve as a consultant to ECA.

Molasses Standards Planned

The Department of Agriculture announced September 26 that it contemplates the issuance of standards for edible sugarcane molasses and invited all interested persons to submit suggestions and comments to the director of the sugar branch, Production and Marketing Administration by October 25.

The proposed standards, which would establish three grades of molasses—U. S. fancy, U. S. medium-light, and U. S. medium-dark—were published in the *Federal Register* of September 26.

Dyes, Linseed Cake and Meal Tariff Duty Reductions Opposed

Sharp protests against further cuts in present duties on two dyes and linseed cake and meal were voiced September 27 before the committee of reciprocity information. These products are on the list of items subject to tariff reduction negotiations, which opened September 28 at Torquay, England, between the United States and thirty-nine other nations.

Sidney C. Moody of American Cyanamid Company, Bound Brook, N. J., and president of the Synthetic Organic Manufacturers Association, pointed out in a brief for SOCMA that synthetic indigo (color index 1177) and sulphur black (color index 978) are both assessed at 3 cents per pound plus 20 percent ad valorem, which is far less than the duties in effect on all other synthetic dyes.

A further reduction in duties that impair domestic production through increased importation, the brief stated, would have very serious repercussions "in our defense facilities in these critical times.

Export Market Loss

"American manufacturers suffered a severe loss in their export market for indigo and sulphur black in 1949. The report of the United States Tariff Commission dated March, 1950, shows a loss of 27.64 percent in sulphur black and 70.37 percent in indigo, as compared with 1948. This business has been divided among not only certain of the producing countries of Europe, notably the United Kingdom, western Germany and France, but also important markets such as Communist China and the Balkans that unquestionably have been supplied by Russia and her satellites.

"It is our contention that the European and Russian manufacturers have benefited at the expense of the United States producers and that certain benefits through the disastrous opening up of our home markets is neither necessary nor warranted at this time.

France, U. K. Limit Imports

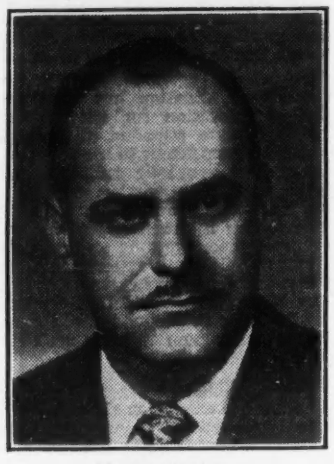
"Imports of indigo and sulphur black into the United Kingdom and France are not permitted, except under license, and such licenses cannot be obtained if the products are manufactured in those coun-

—Continued on page 49

General Chemical Names Brown Vice-President

General Chemical Division of Allied Chemical & Dye Corporation, New York, has announced the appointment of Chester M. Brown as a vice-president, effective October 1. For the past twenty-one years, Mr. Brown has held various positions in the production and sales departments of the company.

During World War II, he was plant manager of West Virginia Ordnance



Chester M. Brown

Works which, under General's supervision, established outstanding T.N.T. production records in operating the plant for the government. For the past three years, he has held the position of director of sales. Mr. Brown is a graduate in chemistry of the University of Missouri.

The company also announced the retirement of F. Harris Nichols as vice-president, effective September 30. Mr. Nichols had been a vice-president for twenty-four years and had been associated with the company and its predecessors for over fifty years.

Gulf Chemical Making Tri-Calcium Phosphate

Gulf Chemical Company, Houston, Tex., has begun production of de-fluorinated tri-calcium phosphate. Operations, which were resumed by the company under a patent licensing agreement with the International Minerals & Chemical Corporation, are planned at a rate of 1,250 tons per month.

The livestock feed supplement is offered in two grades of 18½ percent and 13 percent available phosphorus with a guaranteed fluorine content maximum of 1200 and 800 parts per million, respectively. Prices are set at approximately $61 per ton for 18½ percent and $48.25 per ton for 13 percent material, both f.o.b. Houston. Production of low fluorine dicalcium phosphate is contemplated in the early future.

Ansul Chemical Raises Methyl Chloride Prices

Ansul Chemical Company, Marinette, Wis., in reflection of rising raw materials costs, has advanced the price of industrial grade methyl chloride. Under the new schedule the material is quoted at 11½ cents per pound in single unit tankcars; 14 cents per pound in 1,300-pound drums and multi-unit drums, and 18½ cents per pound in 100-pound and 140-pound cylinders. All quotations are f.o.b. Marinette, freight equalized.

Phillips to Build New Carbon Black Plant

Phillips Chemical Company, Bartlesville, Okla., will soon begin construction of an additional plant for the production of "Philblack O," high abrasion furnace carbon black. The plant will be built adjacent to the present "Philblack A" and "Philblack O" plants in the vicinity of Borger, Tex., and completion is scheduled for late 1951.

Celanese Now Offering Formaldehyde in Alcohol

Solutions of formaldehyde in various types of alcohols are being made available to general industry for the first time on record by the chemical division of Celanese Corporation of New York. Known as "Formcel," the new product is now being produced on a pilot-plan scale at the company's Bishop, Tex., plant. It is currently being sold in semi-works quantities as 55 percent solutions of formaldehyde in methanol and 40 percent solutions in butanol, propanol and methanol.

Monsanto Plans Styrene Output in United Kingdom

Monsanto Chemical, Ltd., has announced plans to open a new styrene plastics plant at Newport, South Wales. The unit will mark the first such operation in the United Kingdom. Styrenes until now have only been available from the United States and Canada.

Pennsalt Plays Host at Centennial Party

In celebration of its centennial, the Pennsylvania Salt Company gave a luncheon for 600 guests from many divisions of business at the Whitemarsh Laboratories in Philadelphia September 27. Executives of the chemical industry predominated in the group that were welcomed by Leon-

Leonard T. Beale

ard T. Beale, chairman of the board of the company.

Briefly reviewing the company's modest start of 100 years ago, Mr. Beale said that the chemical industry had outstripped all others in the rapidity of its growth. While all business has increased six-fold in the last fifty years, the chemical industry has multiplied its physical volume fourteen times in the same period, he continued.

That the general public regards the chemical industry with some degree of fear, stems from the fact that its first product in this country was gunpowder and that, down the years, it has produced other products of destruction such as poison gas and finally the atom bomb, he said.

However, Mr. Beale concluded, it needs but a glance at outstanding developments in the fields of pharmaceuticals, food processing and pest control alone, to realize that the chemical industry, with its great diversity of products and its wide dispersion of plants, will play a leading part in its contributions to the health and happiness of future generations.

Mr. Beale introduced directors and

—Continued on page 78

Quaker Chemical Expanding Conshohocken, Pa., Facilities

Quaker Chemical Products Corporation has announced plans to treble the boiler capacity at its Conshohocken, Pa., plant. Contracts have already been awarded and orders placed for the installation of new boilers and boiler house. Construction of the new boiler house is expected to be completed by the end of this year and boiler installation is scheduled for completion in early 1951.

Washington Talks It Over

By Ralph L. Cherry

Businessmen are beginning to ask Washington what effect the ending of the Korean war will have on the national defense program. In general, it might be said in reply that it will have no material effect; the defense program will go forward with or without the Korean crisis to provide the impetus, but there is a chance that the timing of the imposition of controls will undergo some changes.

The rearming of the United States against the Red pressures is a program in which the Korean situation was but one part; albeit an important part in that it provided the push to get the necessary appropriations through congress as well as the necessary implementing measures, such as the priorities and allocations powers and the new tax law. But the rearming of Europe is still going forward and for this reason there will be no let up in expenditures for military materials.

However, with the pressures of the Korean situation abated, observers feel strongly that the Administration will move slower than anticipated in applying controls. The defense programming has not progressed so far that the timing cannot be changed and it is thought that officials can afford to accept the calculated risk of applying a minimum of controls to see that the military needs are satisfied.

This would mean the issuance of priorities in order to get the materials needed for defense while holding off controls over distribution until it became certain that the civilian economy was being hurt thereby. In the meantime, industry would be encouraged to expand production capacity for scarce materials as quickly as possible, knowing that the rearmament of the United States and Europe will be a long and expansive program.

Plant Sabotage Safeguards

The recent increase in publicity from the Munitions Board to industry of how to safeguard against or minimize the effect of sabotage if the present conflict should blossom into a full-scale war has probably raised the question in the minds of some

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Davison Appoints Three

Davison Chemical Corporation, Baltimore, Md., has announced three new appointments in the operations and research-development divisions of the company. Dr. W. L. Judefind has been named assistant to the vice-president of operations. T. O. Tongue has been made manager of process and quality control at the Curtis Bay plant, and Dr. P. L. Veltman has been appointed manager of the research and development division.

Minerals, Energy Unit Established by Interior

Secretary of the Interior Oscar L. Chapman announced the establishment September 27 of a Minerals and Energy Administration within the department to administer the defense responsibilities delegated to the department under the defense production act. At the same time he announced the appointment of J. R. Parten of Houston, Tex., president of the Woodley Petroleum Company, as a consultant in the formation and development of a national defense petroleum program.

Mr. Chapman named himself as administrator of the new agency, which will be made up of four industry agencies, each to be headed by an assistant administrator to carry out operating functions in each of the areas for which the department has responsibility, including electric power, petroleum and gas, solid fuels, and metals and minerals. A requirements committee also will be established to advise on the allocation and priority ratings, and Mr. Chapman also will serve as chairman of that committee.

The secretary promised the fullest possible use of industry advisory committees in each of the areas in which the department has jurisdiction in order to facilitate administration and to assure adequate consultation and advice from industry members. He said that a number of key officials have been designated on a temporary basis to aid in setting up the new defense organization and named Alfred C. Wolf, director of the department's program staff, as acting executive assistant to coordinate the work of this temporary staff.

Other Temporary Appointments

Other temporary appointments include the interim designation of Hugh A. Stewart, director of the department's oil and gas division, to handle defense activities in the field of petroleum and gas. Before joining the department, in 1949, Mr.

—Continued on page 78

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Alcohol, 2-ethyl-hexyl, and iso-octyl, Osaka, Japan (GF-3).

Drugs, Munich, Germany (GF-5).

Fats and oil industrial, animal and vegetable, Genoa, Italy (GF-2).

Lard, edible, Ciudad Trujillo, Dominican Republic (GF-4, agency).

Medical supplies (list from Commercial Intelligence Branch, U. S. Department of Commerce, Washington 25) Addis Ababa, Ethiopia (GF-1).

Pharmaceutical products, Munich, Germany (GF-5); Cairo, Egypt (GF-6, agency).

New Officers of National Aniline

E. M. Maxwell (right) and D. G. Rogers have been appointed president and executive vice-president, respectively, of the National Aniline Division of Allied Chemical & Dye Corporation, New York, effective October 1. Both men have been with the company for many years in various executive capacities, most recently as vice-presidents. Mr. Maxwell succeeds B. A. Ludwig, dean of the American dyestuff industry, who is retiring after fifty-three years service with the company and its predecessors. Under his direction National Aniline has become one of the leading producers of dyestuffs, intermediates and detergents.

Huber Corp. Advances Cubbison and Cavanagh

Charles Cubbison, purchasing agent for the printing ink division of the J. M. Huber Corporation, New York, for the past twenty-eight years, has been named assistant general plants manager, and Joseph Cavanagh has been appointed assistant purchasing agent for the ink division. Mr. Cubbison's principal duties will be in supervising production and purchasing, and in analyzing the costs of manufacturing the different types of printing inks at Huber plants in Brooklyn, N. Y.; Bayonne, N. J.; Borger, Texas; McCook, Ill.; Boston, Mass., and East St. Louis, Ill. Mr. Cavanagh will take over the direct purchasing duties for the ink division, with headquarters at Huber's New York office.

Conde Leaves DuPont

George E. Conde, director of the Parlin, N. J., laboratory of the fabrics and finishes department of E. I. du Pont de Nemours & Co., Wilmington, Del., retired September 30 after thirty-five years with du Pont and affiliated Canadian companies.

Koppers Company Appoints Austin Development Manager

Appointment of Chester R. Austin as manager of the development section of the research department of Koppers Company, Pittsburgh, Pa., was announced September 27 by Dr. G. F. D'Alelio, vice-president and manager of the research department. From 1929 to 1933 Mr. Austin was associated with the engineering experiment station of Ohio State University in ceramic research. From 1934 to 1948 he was engaged in ceramic research at the Battelle Memorial Institute in Columbus, Ohio. He joined Koppers research department as a ceramic engineering specialist in 1948.

Henry Leaves Joseph Turner After 20 Years

Jack Henry has resigned as vice-president and a director of Joseph Turner & Co., Ridgefield, N. J., effective on or about October 1, it was announced last week. Mr. Henry, who has been associated with Turner for twenty years, will announce his plans in the near future.

Prominent in the affairs of the Chemists' Club, and chairman of the entertainment committee of the Salesmen's Association of the American Chemical Industry, Mr. Henry served two years in the Pacific as a naval officer during World War II.

Spencer Elects Miller, Riley Vice-Presidents

Spencer Chemical Company, Kansas City, Mo., has elected John P. Miller, treasurer of the company, to the post of vice-president and treasurer. John R. Riley, jr., general sales manager, has been named vice-president in charge of sales. Mr. Miller and Mr. Riley will continue to serve on the Spencer board of directors. Newly elected to the company's board, however, is H. Lee Cooper.

Allied Promotes Two

Glen B. Miller, controller of Allied Chemical & Dye Corporation, New York, has been appointed a vice-president, and James Sheridan an assistant treasurer, it was announced by the company last week.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Hospitals—Haiti; Newfoundland.

Laundry and dry-cleaning industry—India.

Medicinal and toilet preparation importers, dealers—Angola.

Oil (animal, fish, vegetable) importers, dealers, etc.—Finland, Netherlands West Indies.

Paint and varnish importers, dealers—Finland; Haiti; Peru.

Plastic material manufacturers, molders, laminators, etc.—Portugal.

Tanneries—Iran, Panama.

P.A.'s-Eye View of Business

Composite view, October 1, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Reports for September, from industrial purchasing executives, indicate that the peak of the upswing in business that kicked off in June was reached in August, and the rate of increase in new orders for September was substantially less than the high August trend. Twenty-one percent fewer report order increases for the month. Ten percent show declines in incoming orders.

The production increase has turned off slightly, too, by 7 percent. The change in trend, however, leaves industry with heavy backlogs of orders and production schedules filled well into the first quarter of 1951. Production would probably continue to increase if manpower and materials could be secured without payment of premium prices.

The majority opinion of purchasing agents continues to be that all-out controls are unnecessary at this time. While it is too soon to appraise the effect of National Production Administration order No. 1, limiting inventories of a number of scarce commodities, most of our members report that they have recently been unable to maintain practicable working inventories of the restricted items.

War orders have not as yet had much impact on industry. Only 30 percent report military business, and most of these have not been compelled to upset their civilian production. Prices continue the upward spiral, as advances follow closely on wage increases. Inventories are trending down but turnover rates are higher. Employment is leveling off. Buying policy is generally conservative and based on production requirements.

Commodity Prices

The inflationary price movement continued in September. About the same number of price increases were reported, but overall they were higher percentagewise. Across-the-board wage lifts seem to be following a general pattern and the price usually reflects such advances immediately. Outside market sales of copper, zinc, some chemicals and steel are reported at high premium prices. Expensive conversion deals also add to the spiraling of costs. The elimination of panic buying may lead to a break in demand and that would crash some out-of-line premium price structures.

Inventories

Industrial inventories of purchased materials in September confirmed the downward trend reported in August. Turnover rates have been steadily on the increase for the past three months, with many now reaching an all-time high. NPA inventory limitation order No. 1 is not expected to have much effect on the overall industrial inventory picture, as most of the materials covered by the order have been in critically short supply for some time, and it has been impossible for purchasing agents to obtain safe working stocks of many items. The order needs some clarification in such terms as "recent past."

Despite the high rate of turnover developed, inventories are reported tending to unbalance. Longer lead times, indefinite delivery dates and part-shipments on orders for tight materials are causing this maladjustment.

Employment

The rate of employment increase dropped slightly in September, not due to lack of demand, but because of diminishing supply. The draft is beginning to

—Continued on page 78

Oil Chemists Study Research Progress

Presentation of forty-six technical papers describing industry achievements and research ranging from processing technics, detergents and drying oils to nutrition, featured the twenty-fourth fall meeting of the American Oil Chemists Society, held at the Sir Francis Drake hotel, San Francisco, September 26 to 29.

Harold W. Milner of the Carnegie Institute of Washington, Stanford, Calif., told the meeting that it appears biochemically feasible to set up a factory-farm which will produce much greater tonnages of plants per acre through more efficient utilization of sunlight than is realized by the best known feed crops.

"There are serious, but not unfamiliar, engineering problems to be solved before any proposed factory-farm can be established to compete economically with present agriculture," he added.

K. C. McCubbin, Blaw-Knox Construction Company, Pittsburgh, declared that in selecting and operating a solvent extraction process, the oil mill superintendent has the following goals:—

1. Maintaining continuous, seven-day operation at full capacity.

2. Manufacturing finished products of uniform and superior, or at least acceptable, quality.

3. Obtaining optimum yields of oil and meal.

4. Keeping solvent loss, utility requirements, maintenance and other operating costs to a minimum.

5. Operating safely.

New Solvent Extractor

The novel design of a new continuous counter-current solvent extractor for oleaginous substances was described by C. T. Smith, of Wurster & Sanger, Chicago. Ezra Levin, of VioBin Corporation, Monticello, Ill., told of a solvent process now available for simultaneously removing high

—Continued on page 74

Monsanto, American Viscose To Build Ala. Fiber Plant

Plans for the construction of a multi-million dollar plant to manufacture a new synthetic fiber for the Chemstrand Corporation were announced here last week by Monsanto Chemical Company and American Viscose Corporation, joint owners of the Chemstrand Corporation. Plans call for the plant to be erected on a 656-acre site west of Decatur, Ala., on the Tennessee River.

Simultaneously, it was announced that Chemstrand will shortly begin the operation of a synthetic fiber semi-production plant at Marcus Hook, Pa., where 1,000,000 pounds of synthetic fiber staple will be produced annually. Up until now, the acrylonitrile-type fiber has been produced only in laboratory quantities.

Formation of the Chemstrand Corporation was announced May 5, 1949, by Monsanto Chemical Company and American Viscose Corporation. Dr. Carroll A. Hochwalt, a Monsanto vice-president, is president of the new corporation. Officers of Chemstrand, in addition to Dr. Hochwalt, are Dr. Charles S. Venable, director of chemical research for American Viscose Corporation, who is vice-president of the new corporation, and F. William Koster of Philadelphia, also of American Viscose Corporation, who is secretary-treasurer.

Calco Pharmaceutical Dept. Names Stark Chicago Mgr.

The pharmaceutical department of Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., has appointed Harry O. Stark manager of its Chicago office. Mr. Stark, who assumed his new post on October 1, is temporarily making his headquarters in the pigment department, 228 North La Salle street. However, next Spring he will move to the new building that American Cyanamid is erecting for all its departments in that city. Mr. Stark joined Calco's pharmaceutical department shortly after the conclusion of World War II.

Baker Castor Oil Names 3

Baker Castor Oil Company, New York, has appointed Donald S. Bolley and M. Kent Smith directors of research and development, respectively. At the same time the concern appointed Russell Hayes to the position of chief of the engineering department. The company stated that increased emphasis on technical activities and expansion of the research staff necessitated division of responsibility within the technical division.

HAVE YOU THOUGHT OF USING
GLOSS OIL TO IMPROVE YOUR PRODUCT?

Everybody knows what Gloss Oil is

Being sure of its quality is another matter. Gloss Oil varies in quality . . . for many reasons. Whatever the reasons, variety has no place in a product whose desirability rests in its uniformity. For you to get the best results — Gloss Oil quality must be high . . . must be uniform — not "superb today", "so-so-tomorrow".

Woburn knows what high quality Gloss Oil is . . . knows how to maintain that quality year after year. Pure gum rosin, from the living tree, high quality lime and mineral spirits go into our Gloss Oil. Rigid production controls make certain that high viscosity, excellent color retention, pale initial color are characteristics that you can rely on at all times.

Whatever your uses for Gloss Oil . . . drying oil for popular-priced enamels, varnishes, printing inks, alkyds or shortening . . . be confident of the quality of your product by using Gloss Oil purchased from Woburn.

If you have a problem involving the use of Gloss Oil, bring it to us. We've had lots of successful experience in meeting the individual needs of manufacturers like yourself.

WOBURN HAS ESTER GUMS, TOO

When you require Ester Gums — remember that Woburn supplies Ester Gums of unsurpassed quality. Only the finest, pure gum rosin is used in our Ester Gums. Your varnishes are better when you use Woburn Ester Gums in their manufacture.

WOBURN GLOSS OIL SPECIFICATIONS

A.N.	48 52
Visc.	X-Z
Color	9+11
N.V.	60-64%
Weight per Gal.	8 lbs.
Solvent	Mineral Spirits
Lime content based on solids	6%

WOBURN dependable PRODUCTS

WOBURN CHEMICAL CORP. (N.J.)

FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW
SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Drug Manufacturers Association and American Pharmaceutical Manufacturers Association, combined contact committee meeting, Washington hotel, Washington, D. C., October 23-24.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, New York section symposium on management, Statler hotel, New York, Oct. 24; Neal House, Columbus, Ohio, December 3-6.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 27-29; Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

American Tung Oil Association, Buena Vista hotel, Biloxi, Miss., October 11-13.

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Boston Conference on Distribution, Statler hotel, Boston, October 16-17.

Chemical Market Research Association and Commercial Chemical Development Association, joint meeting, Mayflower hotel, Washington, D. C., October 3-4.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Association of Retail Druggists, Long Beach, Calif October 15-21.

National Fertilizer Association, Edgewater Gulf hotel, Gulfport, Miss., Nov. 13-15.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1

National Metal Trades Association, annual meeting, Commodore hotel, New York, September 27-29.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Pest Control Association, Netherland Plaza hotel, Cincinnati, October 23-25.

National Safety Congress, Chicago, October 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Salesmen's Association of the American Chemical Industry, sales clinic, Roosevelt hotel, New York, November 2-3.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York December 13.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 6.

SOCMA Proposes Slate For Nominating Committee

The naming committee of the Synthetic Organic Chemical Manufacturers Association has selected a slate of six candidates for the organization's nominating committee. The nominees, who will be voted upon by the association at its October 11 meeting, are as follows:—R. H. Briggs, Charles Pfizer & Co.; A. R. Chantler, E. I. duPont de Nemours & Co.; J. E. Ferris, Niagara Alkali Company; R. J. Grant, Young Aniline Works, Inc.; E. M. May, Otto B. May, Inc., and J. F. Rudolph, Dodge & Olcott. Chairman of the nominating committee is B. R. Neice of American Dyewood Company.

Consulting Chemists Dinner To View Public Relations

The Association of Consulting Chemists and Chemical Engineers will hold its annual dinner meeting October 24 at 5 p. m. at the Shelburne hotel, New York. The meeting this year will be in the form of a symposium, entitled "Public Relations and the Consultant." Guest speaker will be Paul B. Slawter, jr., vice-president of The House of J. Hayden Twiss, New York. John Sasso, industrial production editor of *Business Week*, will serve as moderator.

Plaskon Resins Manager

Carleton Ellis, jr., has been appointed manager of the newly-created coating resins department of Plaskon Division, Libbey - Owens - Ford Glass Company, Toledo, Ohio. Succeeding C. Homer Flynn, who has resigned as sales manager for coating resins, he will direct not only the sale but also the development and manufacture of the firm's line of resin products. Mr. Ellis has been with Plaskon since 1933 and was most recently assistant to the general manager coordinating activities of the various departments working on coating resins.

N.Y. AICE to Sponsor Management Symposium

Management of chemical process industries will be the theme of a symposium to be sponsored by the New York section of the American Institute of Chemical Engineers on October 24 at the Statler hotel, New York.

Functions of chemical management will be explained by John E. McKeen, president of Charles Pfizer & Co. Robert L. Gibson, assistant general manager of General Electric Company's chemical department, will blueprint the organization of management. George B. Corless, executive development adviser for the Standard Oil Company of New Jersey, will discuss executive development. William P. Witherow, president of the Blaw-Knox Company, will discuss industrial relations.

Dinner speaker will be Dr. Robert E. Wilson, board chairman of Standard Oil Company of Indiana, who will map a "Strategy for True Liberals." Toastmaster will be Dr. Donald B. Keyes, vice-president of Heyden Chemical Company.

Symposium sessions will start at 2 p.m. Dinner will be served at 7 p.m. Chairman of the symposium is Edgar L. Demarest, Buflovak Equipment Division of Blaw-Knox Company.

Oil Trades Luncheon Set During Oil Progress Week

Oil Trades Association of New York will hold a luncheon on October 17 at 12:30 p.m. at the Waldorf-Astoria hotel. The gathering, which will take place during oil progress week, celebrating the ninety-one years of advancement made by the industry, will hear W. Alton Jones, president of Cities Service Company, and Thomas A. Brown, president of Empire State Petroleum Association. A series of instructional exhibits covering all phases of the oil industry will be presented by George D. McDaniel, chairman of the New York, New Jersey district of the oil progress information committee, to Dr. William Jansen, superintendent of schools, New York City Board of Education.

C.C. Davis Awarded 1950 Charles Goodyear Medal

C. C. Davis, chief chemist of the Boston Woven Hose & Rubber Company, Cambridge, Mass., and editor of "Rubber Chemistry and Technology," has been awarded the Charles Goodyear Medal for 1950, it was announced Friday by Dr. F. W. Stavely of the Firestone Tire & Rubber Company, Akron, Ohio., chairman of the American Chemical Society's division of rubber chemistry.

Founded in commemoration of Charles Goodyear's discovery of the vulcanization of rubber 1839, the gold medal goes to Mr. Davis this year in recognition of his contributions to the literature on rubber chemistry and his leadership as an industrial chemist.

USP Revision Comm. Completes Organizational Makeup for 1950-60

The USP general committee of revision completed organization for the 1950-60 decade in a meeting in New York on September 22 and 23, called by Dr. Lloyd C. Miller, the director of pharmacopeial revision. The meeting was attended by fifty-five of the recently elected members and by all the officers of the USP Convention and the entire board of trustees.

The opening session of the meeting heard welcomes from Dr. Allen H. Bunce, president of the USP Convention, and Dr. Robert L. Swain, chairman of the USP board of trustees. The legal aspects and responsibilities of the USP committee of revision were highlighted in a talk by Mr. C. A. Hermann, chief of the New York district office of the Food and Drug Administration. Mr. Hermann mentioned the difficulty in enforcing the food, drug, and cosmetic act where the USP standards are vague or ambiguous. He cited specifically the standard for clarity of parenteral solutions of USP XIII which was deleted from USP XIV because it could not be made sufficiently definite.

Further, Mr. Hermann stated, USP XIII provided that multiple-dose containers might have "'a suitable rubber cap or other suitable closure'." This indefiniteness handicapped the FDA in holding that a screw cap should not be used for some USP parenteral solutions even though it was obvious that sterility could not be maintained after the first use. This has been corrected in USP XIV, he added, as is the case with several other requirements which have been found faulty. By way of emphasizing the responsibility of the new revision committee he stated that in effect an unenforceable standard is no standard at all.

Standards Development Reviewed

The theory of drug standards development was reviewed by Dr. Melvin W. Green of the School of Pharmacy of the University of Wisconsin. Of the USP identity tests he stated that these are becoming more and more useful for "eliminating the negative rather than accentuating the positive." They often serve to show what a drug is by showing what it cannot possibly be. As for the tolerances allowed on USP standards, he felt they must have some relation to the accuracy of the assay methods prescribed.

Drs. Youngken and Schaefer presented a memorial resolution in honor of Dr. E. L. Newcomb, a member of the revision committee from 1920 until his recent death. Dr. Thomas Lewis, a member of the 1940-50 revision committee, and an outstanding pharmacognosist, was elected to fill the vacancy created by Dr. Newcomb's passing.

A report on the USP limitation on multiple-dose containers was presented by Dr. F. O. Taylor, a member of the revision committee, and chairman of the combined pharmaceutical contact committee. He qhoted from a survey of manufacturers which indicates that several USP items are affected by the general requirements entitled, "Number of Doses in Container" on pages 723-7 of USP XIV, the effective date of which has recently been postponed to July 1, 1951. It was proposed to review individually the status of each item effected by this limitation.

The revision committee acted to authorize Dr. Miller to invite the chairman of the committee on National Formulary and the chairman of the combined contact committee to join in appointing an *ad hoc* panel to conduct this review.

The individual subcommittees met and elected permanent chairmen. In some cases associate chairmen were appointed. The subcommittees and their respective chairmen follow:—Scope, William T. Salter; posology, Windsor C. Cutting, chairman, and William Dock, associate chairman; biologic assays and tests, Roland H. Noel, chairman, and Leroy D. Edwards, associate chairman; sterile products, Edgar B. Carter; pharmacognosy, Heber W. Youngken, chairman, and Thomas Lewis, associate chairman; alkaloids and heterocyclic compounds, Joseph Rubin, chairman, and Arthur Osol, associate chairman, aliphatics and inorganic compounds, Albert Q. Butler; cyclic compounds, George D. Beal; external preparations, Louis C. Zopf, chairman, and Leslie M. Omhart, associate chairman, and internal preparations, Melvin W. Green.

USDA Forest Insect Survey Under MacAloney

Appointment of Dr. Harvey J. MacAloney as supervisor of the forest insect survey of the Bureau of Entomology and Plant Quarantine, has been announced by Avery S. Hoyt, chief of the bureau. This is a new activity on the part of the bureau. Dr. MacAloney has had twenty-five years' experience in the Department of Agriculture on various forest insect research and survey problems.

The survey involves close cooperation between the bureau and other federal and state agencies and with private timberland owners. As survey leader, Dr. MacAloney will coordinate the work of these various agencies in their efforts to detect potentially dangerous infestations of forest insects in the early stages so that they may be controlled with the least expenditure of time, money and effort. The activity is carried on from the headquarters of the agricultural research center, Beltsville, Md., and at eight field offices located in important forest regions throughout the country.

NPVLA Nominates Six For Executive Committee

The nominating committee of the National Paint, Varnish and Lacquer Association has placed in nomination six candidates for membership on the executive committee. The nominees, if approved at the association's November convention in San Francisco, Calif., will serve for three-year terms.

The executive committee consists of eighteen elected members, plus the president, vice-president and treasurer of NPVLA. The candidates are: — V. A. Acer, vice-president, Spencer-Kellogg & Sons, Inc., Buffalo, N. Y.; A. E. Horn, president, A. C. Horn Company, division of Sun Chemical Corporation, Long Island City, N. Y.; E. S. Phillips, chairman of the board, Devoe & Raynolds Company, New York; W. C. Stolk, executive vice-president, American Can Company, New York; Val Wurtele, president, Minnesota Paints, Inc., Minneapolis, Minn., and J. Barry York, president, James Bute Company, Houston, Tex.

Southwide Chemical Parley Called Oct. 16-18 at Atlanta

More than five hundred chemists and chemical engineers will meet October 16 to 18 in Atlanta, Ga., for the Southwide Chemical Conference, it has been announced by Dr. Henry L. Edwards of the Georgia Institute of Technology, chairman of the supervisory committee on the conference.

Sponsored jointly by the Georgia section of the American Chemical Society and the Southern Association of Science and Industry, the conference has scheduled eighty-three papers on subjects as diverse as synthetic textile fibers, the determination of blood sugar, and the use of radioisotopes in physiological research.

Dr. Ernest H. Volwiler, president of the American Chemical Society and head of Abbott Laboratories, North Chicago, Ill., will be the main speaker at a conference banquet on the evening of October 17. Dr. Volwiler's topic will be "The Lucky Chemist."

Symposia on "The Chemistry of Fibers," "Molecular Structure," and "Modern Methods of Analysis," and a panel on graduate education will be held during the meeting, which will be concluded on the afternoon of October 18 with a forum on "The Businessman's Viewpoint Toward Research."

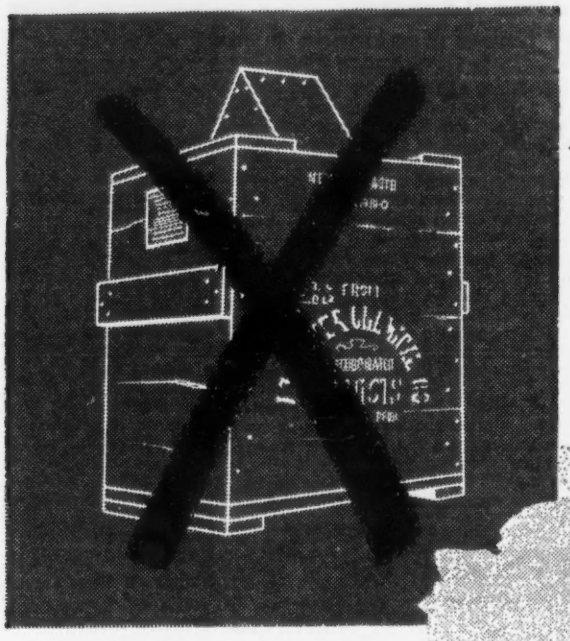
Carnegie Tech 50 Years Old

Carnegie Institute of Technology, Pittsburgh, Pa., will observe its fiftieth anniversary and install its fourth president on October 27 and 28. Dr. J. C. Warner, who became Carnegie's fourth president in July, will be inaugurated the morning of October 27, the first formal installation in the institution's history. The institute's birthday falls on October 28, and Charles W. Wilson, president of General Motors Corporation and a member of the Carnegie Tech class of 1909, will lead the toasts to the institution.

ADMA '52 Meeting Site To Be Hot Springs, Va.

The American Drug Manufacturers Association has selected the Homestead, Hot Springs, Va., as the place for its annual convention in 1952. The convention dates are April 28 to May 1. As previously announced, the meeting place of the 1951 convention will be the Greenbriar, White Sulphur Springs, W. Va., April 30 to May 3.

GOOD NEWS FOR NITRIC ACID USERS



**These spouts are available at five dollars each. (Non-returnable)

Baker now ships Nitric Acid Tech. in money-saving stainless steel drums*

Baker is waging another war on waste. No longer is it necessary to buy Nitric Acid in glass carboys. Instead you can obtain Baker's Nitric Acid in stainless steel drums, easy to handle, easy to use, and less expensive to ship.

These new money-saving stainless steel drums with splashless pouring spouts give added safety, and have many money-saving advantages.

When you order Nitric Acid Tech. be sure to specify Baker's Nitric Acid packaged in the money-saving stainless steel drums. You, too, will say, "Why didn't someone think of this method of packing before?"

J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, N. J.

*Drums are billed at $20.00, but are returnable for full credit.

CHECK ALL THESE SAVINGS

1. Stainless steel drums save more than 30% in freight rates alone.
2. Stainless steel drums save freight on 50 pounds tare each way — 100 pounds in all.
3. Stainless steel drums save storage space in both freight cars and in your warehouse. Drums may be stacked five high.
4. Stainless steel drums save time and labor in trucking, handling. Drums can even be rolled, if necessary.
5. Stainless steel drums do away with the possibility of breakage.
6. Stainless steel drums save time in pouring. Stainless steel spout** quickly screws into the polyethylene gasket in the drum.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

ANALYZED REAGENTS Baker's FINE CHEMICALS

Current Market Quotations

Chemicals and Related Materials

October 1, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, Arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. 40 - —
above 92.5 C. m.p. dms., works lb. .50 - —
Acetaldehyde 99% dms. c.l., trf. equald lb. .12 - —
l.c.l., frt. equald lb. .12½ - —
tanks, frt. equald lb. .10 - —
Acetaldol (see Aldol).
Acetamide, tech. fib., dms lb. 45 —
Acetanilide tech. bbls., c.l., dlvd lb. .24½- —
l.c.l., ton lots lb. .25½- —
smaller lots lb. .28½- —
USP bbls. 2,000-lb. lots lb. 50 —
smaller lots lb. 56 —
Acetic anhydride dms. c.l. frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½- —
tanks, frt. alld E lb. .12½- —
Acetoacetanilide, bbls., dlvd. lb. .69½- —
fib. dms., c.l., dlvd lb. .68½- —
l.c.l., dlvd lb. .69½- —
Acetoacetorthoanisidide, fib dms., works 500 lbs or more lb. 1.50 - —
smaller lots same basis lb 1.75 - —
Acetoacetorthochloranilide bbls., dlvd lb. 1.15 - —
fib. dms., c.l. dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .74½- —
fib. dms., c.l., dlvd lb. .73½- —
l.c.l., dlvd lb. .74½- —
Acetoacetparaphenetidide, dms., 500 lbs. or more, works lb. 1.65 - —
smaller lots same basis lb 1.90 —
Acetone, CP, dms., c.l., dlvd lb. .10¼- —
l.c.l., dlvd lb. .11 - —
tanks, dlvd lb. .06½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l. works lb. 45 - —
Acetophenetidin USP bbls., works, frt equald lb. 1.10 1.33
Acetophenone, cns. dms lb 1.30 1.85
tech., l.c.l., dms., works lb. .75 —
Acetyltributyl citrate, dms. lb. .43 .45
smaller pkgs lb. .48 .54
Acetyltriethyl citrate, dms. lb. .36 .38
smaller pkgs lb. .41 .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 3.90 - —
56%, bbls 100 lbs. 6.50 - —
70%, bbls 100 lbs. 7.75 - —
80%, bbls 100 lbs. 8.60 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - —
cbys., works 100 lbs. 18.50 -22.50
USP, cbys., works 100 lbs. 14.00 -18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —
Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .52 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt, dms., lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.21 - —
Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP dms. 500-kilo lots, kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots. kilo lots kilo. 26.41 - —
500-gram lots kilo. 27.47 - —
Battery, cbys. c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —
Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms., 100 lbs up lb. .54 - —
Betahydroxynaphthoic bbls., works lb. 1.29 - 1.39
Boric, tech., 99½%, cryst., bgs., c.l., works ton 115.25 - —
ton lots ex whse, N. Y. or Chi. ton 160.00 - —
less ton lots, same basis. ton 165.00 - —
bbls., c.l., works ton 135.25 - —
ton lots, ex whse., N. Y. or Chi. ton 160.00 - —
less ton lots, same basis. ton 165.00 - —
bulk, c.l., works ton 111.75 - —
gran., bgs., c.l., works ton 90.25 - —
ton lots, ex whse., N. Y. or Chi. ton 135.00 - —
less ton lots, same basis. ton 140.00 - —
bbls, c.l., works ton 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton 155.00 - —
less ton lots, same basis. ton 160.00 - —
Acid, boric, tech., 99½%, gran., bulk c.l. works ton 56 75 - —
powd. bgs. c.l. works ton 95 25 - —
ton lots ex whse., N. Y. or Chi ton 140 00 - —
less ton tots same basis ton 145 00 - —
bbls. c.l. works ton 115 25 - —
ton lots ex whse. N. Y. or Chi ton 160 00 - —
less ton tots same basis ton 165 00 - —
bulk c.l., works ton 91 75 —
USP $25 per ton higher
Broenner's, bbls lb 1.34 - —
Butyric, 99%, dms. c.l. works lb. .36½- —
l.c.l., works lb. .37 - —
tankcars works lb. .35 - —
Cacodylic bots lb 10.00 11.00
Camphoric natural, dms. lb 5.00 5.65
synth. dms lb 4.00 4.75
Capric, 70%, dms lb. .27¾- 28½
Caprylic, 65%, dms lb. .49¼- 50
Castor oil, split, dms lb. .31½- .32
Chicago, bbls., frt. alld lb. 2.92 - —
Chlorosulphonic, dms., c.l., works lb. .036 - —
l.c.l., works lb. .041 - —
tanks, works lb. .031 - —
Chromic, 99½ 99¾% dms., c.l. works lb. 25½ —
l.c.l. works lb 26 27
USP (see Chromium trioxide)
Cinnamic, recld. bots lb 2.50 4.00
Citric, anhyd. gran., fine gran., dms. c.l. lb. 26½ —
10,000 lbs. 1 ship't lb 27 —
smaller lots lb 27½ —
kgs lb 28½ —
Anhydrous citric acid powder ½c. per lb. higher
USP cryst., dms. c.l. lb 27½- —
19,000 lbs., 1 ship't lb 28 —
smaller lots lb 28½ —
gran., fine gran., dms., c.l. lb 24½- —
10,000 lbs. 1 ship't lb 25 —
smaller lots lb 25½ —
kgs lb 26½ —
USP citric acid powder ½c. per lb higher.
Cleve's, mixed, bls lb. 72 —
Coconut oil, dist., dms lb. .28 - .29¼
double dist., dms lb. .30 - .31¼
Cottonseed oil, dist., dms lb. .16 - .17¼
double dist., dms lb. .16½- .17¾
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equaled gal. 1.06 - 1.11
l.c.l., non-ret. dms., same basis lb. 1.09 - 1.14
ret. dms. c.l. same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
Acid, cresylic, dom. coaltar 50% above 207°C. tanks, same basis gal. .95 - 1.00
204° to 207° C. non-ret. dms., c.l., same basis gal. 1.06 - 1.11
l.c.l., same basis gal. 1.09 - 1.14
ret. dms. c.l. same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .95 - 1.00
petroleum, 179 C. to 193°C, non ret. dms. c.l. San Francisco and Los Angeles gal. .67½ —
l.c.l., same basis gal. .69½- 71½
tanks, same basis gal. .57 —
195° to 213°C non-ret. dms., c.l. San Francisco and Los Angeles gal. .60½- —
l.c.l., same basis gal. .62½- .64½
tanks, same basis gal. .50 - —
200 C. to 222°C., tanks, Wilmington, Cal gal. .40½- —
211°C to 236°C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —
220°C to 242°C., tanks, Wilmington, Cal gal. .38½- .41½
237°C to 265°C., non-ret. dms., c.l. San Francisco and Los Angeles gal. .51½- —
l.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —
245°C to 298°C, tanks, Wilmington, Cal gal. .36½- —
295°C to 325°C, tanks, Wilmington, Cal gal. .26½- —
imported, coaltar 75% at 215°C or over, dms., c.i.f. gal. 1.10 - 1.20
Crotonic fib dms. works lb 29 —
Cyanoacetic tech bbls lb 90 1.25
Desoxycholic, bots lb. 17.00 -22.00
Dichlorophenoxyacetic, (see "D" 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .33 - —
l.c.l., works lb. .33½- —
tanks, works lb. .31½- —
F, crude, paste, bbls., works lb. 1.52 - —
Folic bots. fib cns. kilo or more gram. 2.00 —
Formic 85% cbys. c.l. works lb. .13 - .13½
l.c.l., works lb. .13½- 14
90%, cbys., c.l. works lb. .13½ 14
l.c.l. works lb 14 14½
Fumaric, tech., bbls., dms lb. .32 - .33
Gallic, NF VII, bbls. 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb 1.46 1.48
Gamma dry ground bbls., frt. alld lb. 1.37 - —
paste, bbls., frt. alld lb. 1.32 - —
Acid, gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 - —
kgs lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb lots works lb. 2.30 2.40
25 lb lots lb 2.45 —
Glycerophosphoric, 35% dms., works lb. 2.25 - 2.35
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .80 - —
Hydriodic, 45-47%, cbys lb. 2.57 2.59
57%, cbys lb. 2.86 - —
Hydrobromic, mentcinal, 48%, cbys., dlvd. E lb. .33 —
tech., 48%, cbys., dlvd E lb. .34 .36
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19¼
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .06½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle W. Va., 100% basis lb. .085 - —
Hypophosphorus, purif., 50%, cbys, lb. 1.30 - 1.32
USP, cbys lb. .78 - —
J, bbls, works 100% basis lb. 2.50 2.85
Koch, bbls., frt. alld lb. .64 - —
L, bbls., frt. alld lb. 1.25 - —
Lactic, edible 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more, lb. .285 .33½
plastic grade, 50% bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3548
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .60 - .67
Lauric, dist., 85-90%, dms lb. .30 - .30¾
Linseed oil, reg. dist., dms lb. .2170- .2220
water-white, dms lb. .2470- .2520
Maleic, powd., dms lb. .32 - .33
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb. lots, lb. 1.85 —
smaller lots lb. 1.90 - 2.10
Metanilic dms., works lb. .57 - —
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80
Molybdic, dms., 85-92%, works lb. .88 - —
Monochloroacetic, purified, flake, 99%, dms lb. .22½- .24½
tech., flake, 96-97%, bbls lb. .18 - .21
Muriatic, 18°, cbys., c.l., works 100 lbs. 2.05 - 2.50
l.c.l., works 100 lbs. 2.35 - 2.40
tanks, works ton 22.00 -23.00
20°, cbys., c.l., works 100 lbs. 2.30 - 2.55
l.c.l., works 100 lbs. 2.60 - 2.65
tanks, works ton 25.00 - —
22°, cbys., c.l., works 100 lbs. 2.80 - 2.90
l.c.l., works 100 lbs. 3.10 - 3.90
tanks, works ton 26.00 -30.00
CP, USP, consumers, cbys., extra c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.
Myristic, dist., dms lb. .30½- —
Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic (see Acid L)
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. .97 - —
Nicotinic, USP, dms., frt adjusted kilo. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys. c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E works 100 lbs. 6.40 - 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½- —
l.c.l., same basis lb. .17 .19
Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djbs.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C.	centigrade	gran.	granular	resub.	resublimed
cbys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	i.&a.	iron and aluminum	SD.	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP.	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed anilin point	vis.	viscosity
ctns.	cartons			VM&P.	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W.	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

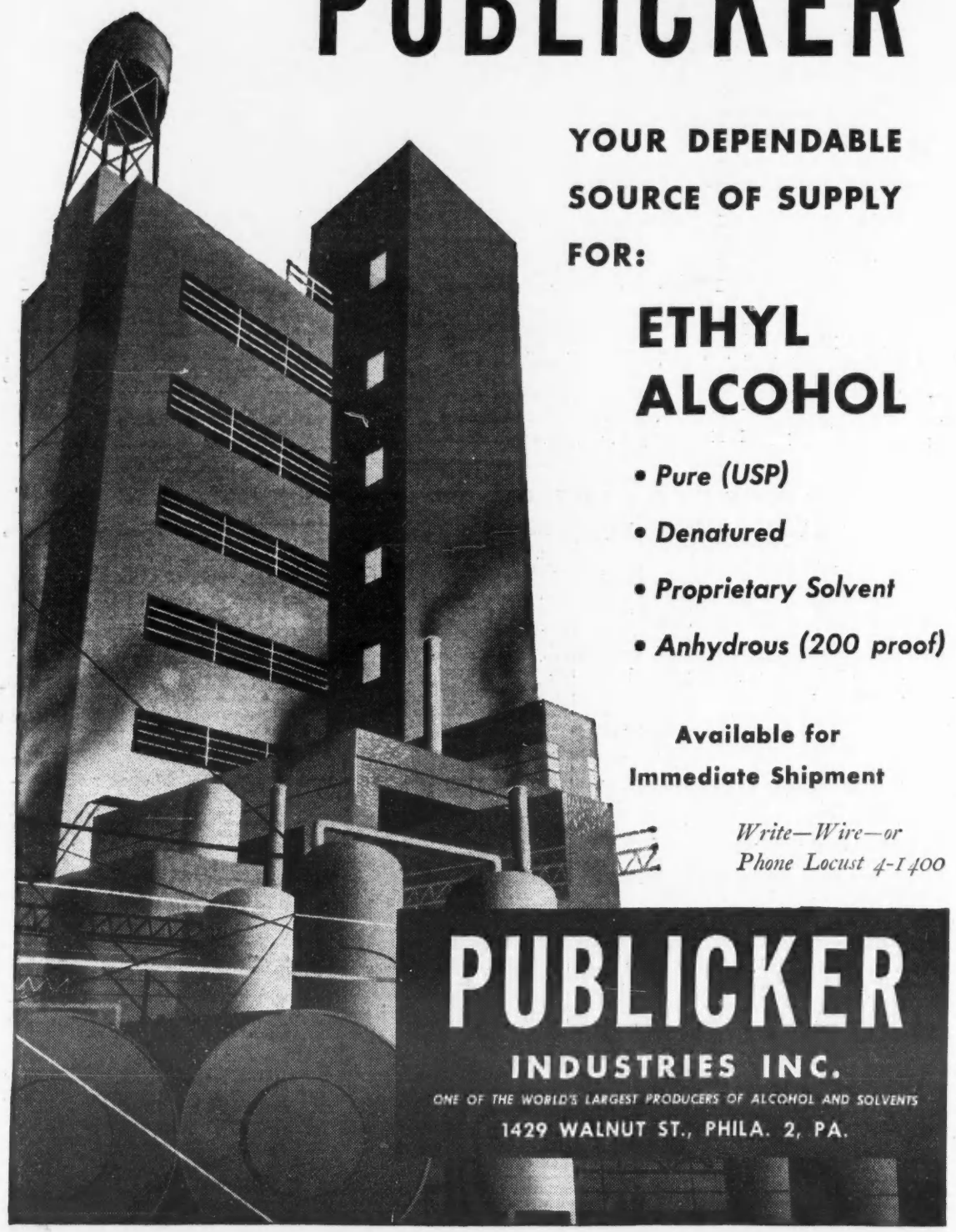
Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid sulphuric fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15¼
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb lots or more lb. 6.00 - —
smaller lots lb. 6.05 - 7.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
lb. .12¾- .13¾
Peanut oil, s.d., dms
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ngs. lb. .65 - .70

Acid, picric, NF, 300-lb. bbls. lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works, lb. .16 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., works, South gal. .31 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l., works, lb. .62 - —
l.c.l., works lb. .64 - .68
Soybean oil, single, dist., dms. lb. .17½- .18¾
double dist., dms lb. .18 - .19¼
Stearic, double pressed, bgs. lb. .19½- .20¾
single-pressed, bgs. lb. .18½- .19¾
triple-pressed, bgs. lb. .21¾- .23
Succinic, purified, crys., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton. 14.40 -14.50

Acid, sulphuric, 66° Be, cbys., c.l., works 100 lbs. 1.90 - —
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton. 17.75 -18.00
98%, tanks, works ton. 18.80 -19.00
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .15½- .16¾
Tannic, tech., 60-62%, dms. lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76% dms lb. .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't lb. .36 - —
smaller lots lb. .36½- —
100-lb. dms lb. .37½- —
small dms lb. .39½- .41½
imported, kgs. lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls. cbys. basis 100% lb. 1.40 - —
Tobias, bbls., frt. alld lb. .69 - —
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Undecylenic, dms. lb. 1.00 - 1.25
Aconite leaves, bls. lb. .55 - .60
Root, bls. lb. .48 - .52

Aconitine, amorph., mild, bots. oz. 27.50 -32.50
cryst., potent, bots. oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls. lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls. lb. 1.28 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls. lb. 1.60 - 1.75
Agrimony herb, bls. lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.35 - 1.37
powd., bbls. lb. 1.39 - 1.41
tech., cryst., bbls. lb. .75 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd. lb. .31¾- —
l.c.l., dlvd. lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. Miss. lb. .16¾- —
l.c.l., frt. alld E. of Miss. lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, refined).
fermentation, refined, 126-132° C., dms., c.l., dlvd. lb. .33¾- —
l.c.l., dlvd. lb. .34¾- —
tanks, dlvd. lb. .32 - —
128-132° C., dms., l.c.l., dlvd. lb. .38 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, NF, dms. lb. .60 - .88
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, fermentation, normal, dms., c.l., frt. alld. lb. .17¾- .28¾
l.c.l., frt. alld. lb. .18¾- .29¾
tanks, frt. alld. lb. .16 - .27
synthetic, normal, dms., c.l., frt. alld. lb. .16¼- —
l.c.l., frt. alld. lb. .17¼- —
tanks, frt. alld. lb. .14½- —
secondary, dms., c.l., frt. alld. lb. .11¾- .12¾
l.c.l., dlvd., frt. alld. lb. .12½- .13¾
tanks, dlvd., frt. alld. lb. .10 - .11
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.75 - 3.20
Denatured, SD12, SD13, CD14, dms., dlvd. E. of Miss. R. gal. .64 - .96½
l.c.l., dlvd. E. of Miss. R. gal. .68 - 1.05½
tanks, dlvd. E. of Miss. R. gal. .52 - .84½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary, solvent, dms., c.l., dlvd. E. of Miss. R. gal. .64½- .97½
l.c.l., same basis gal. .68½- 1.06½
tanks, same basis gal. .52½- .85½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .63½- .97½
l.c.l., same basis gal. .67½- 1.06½
tanks, same basis gal. .51½- .85½
SD2B, dms., c.l., E. of Miss. R. gal. .63 - .98
l.c.l., same basis gal. .67 - 1.07
tanks, same basis gal. .51 - .86
SD3A, dms., c.l., E. of Miss. R. gal. .62 - .95½
l.c.l., same basis gal. .66 - 1.04½
tanks, same basis gal. .50 - .83½
SD23A, dms., c.l., E. of Miss. R. gal. .64½- .98½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD23H, dms., c.l., E. of Miss. R. gal. .64½- .98½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD27A, dms., c.l., E. of Miss. R. gal. 1.04 - —
l.c.l., same basis gal. 1.13 - —
tanks, same basis gal. .92 - —
SD30, dms., c.l., E. of Miss. R. gal. .61½- .93½
l.c.l., same basis gal. .65½- 1.02½
tanks, same basis gal. .49½- .81½
SD35A, dms., c.l., E. of Miss. R. gal. .64½- 1.01
l.c.l., same basis gal. .70½- 1.10
tanks, same basis gal. .52½- .89
SD40, dms., c.l., E. of Miss. R. gal. .64 - .98½
l.c.l., same basis gal. .68 - 1.07½
tanks, same basis gal. .52 - .86½
Diacetone, acetone free, dms., c.l., dlvd. lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
tech., dms., c.l., dlvd. lb. .13¼- —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd. lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.72 -18.07
l.c.l., same basis gal. 17.76- 18.16
tanks, same basis gal. 17.60 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .62 - .97
l.c.l., same basis gal. .66 - 1.06
tanks, same basis gal. .50 - .85
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.62 -18.97
l.c.l., same basis gal. 18.66 -19.06
tanks, same basis gal. 18.50 -18.95
Phenylethyl, cns. lb. 1.40 - 1.60
Ethylbutyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. lb. .29¼- —
l.c.l., dlvd. lb. .30¼- —
tanks, dlvd. lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd. lb. .14¾- —
l.c.l., works lb. .15¾- —
tanks, dlvd. lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd. gal. .49 - —
l.c.l., dlvd. gal. .54 - —
tanks, dlvd. gal. .37 - —
95%, dms. incl., c.l., dlvd. gal. .50½- —
l.c.l., dlvd. gal. .55½- —
tanks, dlvd. gal. .38½- —
99%, dms. incl., c.l., dlvd. gal. .52 - —
l.c.l., dlvd. gal. .57 - —
tanks, dlvd. gal. .40 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots. lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.30 - 1.60



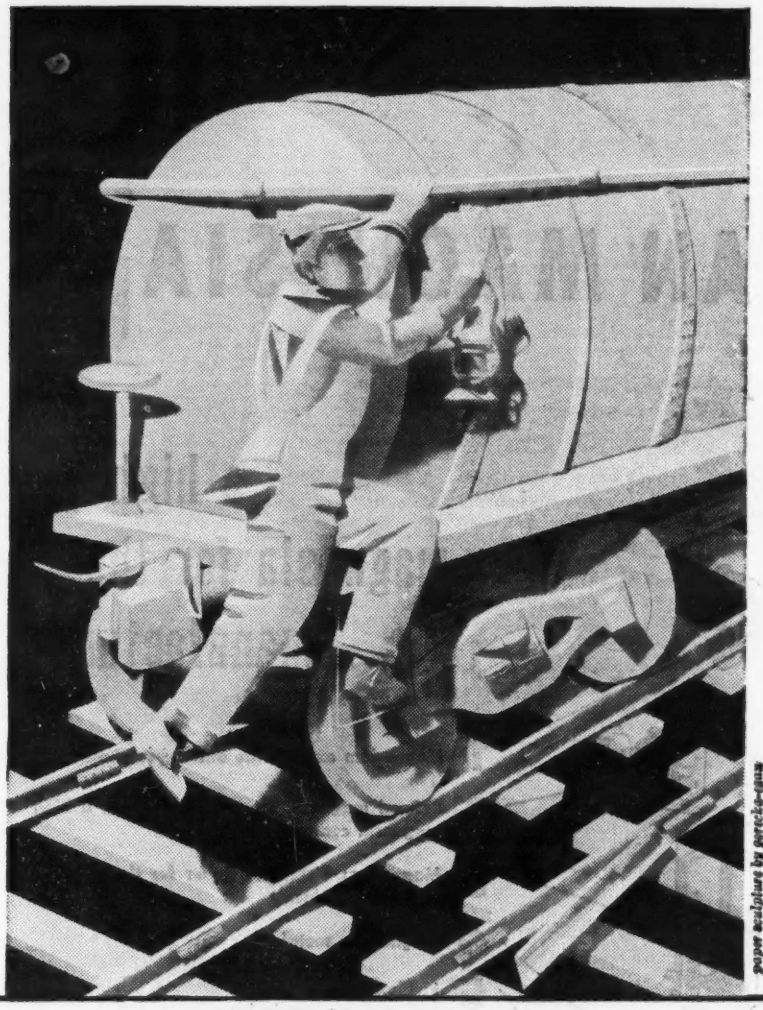
Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 • .70
type B, fiber-pack, same basis lb. .60 • .68
Propyl, normal, dms., c.l., dlvd. lb. .10¾ • —
l.c.l., dlvd..lb. .11¾ • —
tanks, dlvd..lb. .09 • —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .47 • —
dms., Niagara Falls, N. Y. lb. .40½ • —
l.c.l., Waverly, N. Y. lb. .42½ • —
tanks, Niagara Falls, N. Y lb. .38 • —
industrial grade, dms., c.l., Niagara Falls, N. Y. lb. .29 • —
l.c.l., Waverly, N. Y. lb. .30½ • —
tanks, Niagara Falls, N. Y. lb. .26½ • —
Aldol, 95%, dms., works..lb. .15 • .16
denaturing grade, dms. ..gal. 1.33 • 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. 1.06 • —
l.c.l., works, frt. alld..lb. 1.20 • —
Aletris root, bgs. ..lb. 1.50 • 1.60
Algin, bbls., fib. dms..lb. .76 • 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs. ..lb. .35 • .40
Allethrin, 100%, dms., 1 to 10 dm. lots..lb.45.00 • —
smaller lots, works..lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works..lb. 9.00 • —
10%, dms., works..gal.37.75 • —
2%, dms., works..gal. 7.75 • —
Allspice, Jamaica (see Pimento)
Mexican, bgs., futures..lb. .22 • .23
Allyl bromide cmp., 5,000 lbs., works..lb. .99 • —
smaller lots, works..lb. 1.05 • 1.10
Chloride, dms., c.l., dlvd..lb. .16¾ • —
l.c.l., dlvd..lb. .17¼ • —
tanks, dlvd..lb. .15 • —
Starch, solid, dms., works..lb. .58 • —
solution, 40%, dms., works..lb. .279 • .297
50%, dms., works..lb. .446 • —
Aloe, Cape, cs..lb. .22 • .23
Curacao, kgs..lb. .35 • .36
Socotrine, kgs..lb. .35 • .36
Aloin, USP, bbls., dms., kgs..lb. 3.50 • —
Alphanaphthol, bbls., frt. alld..lb. .77 • —
Alphanaphthylamine, bbls., frt. alld. lb. .45 • —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 • 2.40
Alphanitronaphthalene, bbls., frt. alld..lb. .37 • —
Alphapicoline, ref. dms., c.l. works, frt. equald lb. .29½ • —
l.c.l., works, frt. equald lb. .30 • —
Alphapinene, tanks, South, works..gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 • —
Alphatocopherol, bots..kilo.350.00 • —
Acetate, bots..kilo.350.00 • —
Althea root, NF, peeled, bls. lb. .30 • .40
Alum, ammonium, gran., bbls., works..100 lbs. 3.30 • —
lump, bbls., works..100 lbs. 4.05 • —
powd., bbls., works..100 lbs. 4.20 • —
USP, burnt, bbls. ..lb. .20 • .21
hydrous, bbls. ..lb. .07¾ • .08
Potassium, gran., bbls., works.. 100 lbs. 4.05 • —
lump, bbls., works..100 lbs. 4.30 • —
powd., bbls., works..100 lbs. 4.45 • —
USP, burnt, bbls..lb. .20 • .21
hydrous, bbls..lb. .07¾ • .08
Potash-chrome, dms..lb. .17 • —
Soda, bbls., c.l., works..100 lbs. 3.25 • —
l.c.l., dlvd..100 lbs. 4.25 • 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ • .05½
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 • —
20%, bbls., l.c.l., works lb. .10 • —
Chloride, anhyd., com'l, dms., c.l., works..lb. .13 • —
l.c.l., works..lb. .13½ • —
cryst., com'l, dms., c.l., works..lb. .0650 • —
l.c.l., works lb. .0690 • —
NF, gran., dms., works..lb. .27 • .28
solution, 32°, cbys., c.l., works..lb. .03¼ • —
l.c.l., works..lb. .04 • —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 • —
l.c.l., works..lb. .11 • .13
Formate, basic solution, cbys., c.l. lb. .09½ • —
l.c.l., works lb. .10 • —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works..ton.72.00 -86.00
light, bgs., dlvd. ..lb. .17 • —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼ • —
contract, works lb. .20¼ • —
8-9½% Al_2O_3, fib. dms., works lb. .18¼ • —
contract, works lb. .17¼ • —
dried, USP XII, fib. dms., works. lb. .79½ • —
contract, works lb. .76½ • —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½ • —
Linoleate, solid, dms., frt. alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .19 • —
pigs, 10,000 lbs..lb. .18 • —
Naphthenate, liquid, 1.7%, frt. alld. lb. .24½ • .25
Oleate, dms., precip lb. .35¼ • —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 • .15
kgs., ton, frt. alld lb. .12½ • —
smaller lots, frt. alld. lb. .13 • .15
280-400 mesh, dms., frt. alld lb. .32 • .33
kgs., frt. alld lb. .31 • —
600 mesh, dms., frt. alld lb. .35 • .37
kgs., frt. alld lb. .34 • —
600 mesh, dms., frt. alld. lb. .51 • .53
kgs., frt. alld lb. .50 • —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 • .38
unclassified, dms., frt. alld. lb. .16 • .17
kgs., frt. alld lb. .15 —
Paste, lining, extra fine, dms..lb. .59½ • —
standard, dms..lb. .41 • —
Powder, lining, extra fine, dms..lb. .97½ • —
standard, dms..lb. .68½ • —
rubber comp., dms..lb. .58½ • —
unpolished, standard, dms..lb. .54½ • —
varnish standard, dms..lb. .59 • —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c per lb. for 50-lb dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., dms., frt. alld..lb. .25¼ • —
Stearate, dibasic, etns., c.l.....lb. .35 • —
l.c.l. ..lb. .36 • —
monobasic, etns., c.l. ..lb. .35 • —
l.c.l. ..lb. .36 • —
tribasic, etns., c.l. ..lb. .35 • —
l.c.l. ..lb. .36 • —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 • —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 • —
l.c.l., works ..100 lbs. 3.15 • —
NF, gran., dms., works..lb. .27 • .28
powd., dms., works..lb. .32 • .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots..oz. 8.00 -10.00
Aminoazotoluene bbls..lb. 1.03 • —
Aminomethylpropanol, cns., dms., works..lb. .60 • —
Aminoethylethanolamine, dms., c.l., works..lb. .42 • —
l.c.l., works ..lb. .42½ • —
tanks, works ..lb. .40 • —
Aminophylline, USP, 100-lb. dms..lb. 5.35 • —
Aminopyrine, USP bale, dms..lb. 6.00 • 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.74.00 -75.00
pure, cyls., extra, zone 1..lb. .17 • .17½
2 ..lb. .19 • .19½
3 ..lb. .21 • .21½
4 ..lb. .16 • 19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 • —
l.c.l., works 100 lbs. 3.50 • —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 7.00 • —
l.c.l., same basis..100 lbs. 7.40 • —
white, gran., bgs., c.l., works 100 lbs. 4.60 • —
l.c.l., works ..100 lbs. 6.25 • —

Ammoniacal liquor, tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .39 • .40
reagent, jars ..lb. .61 • .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 • —
smaller lots, frt. alld lb. .81 • 1.09
Biborate, bbls., c.l., works ton.302.00 • —
ton lots, works ..ton.355.50 • —
less ton lots, works ..ton.360.50 • —
Bicarbonate, dms., c.l., works..lb. .05½ • —
l.c.l., works ..lb. .06 • —
Bichromate, bbls., works..lb. .33 • .38
Bifluoride, dms., dlvd ..lb. .18 .18½
Bromide, gran., NF, bbls..lb. .38 • .39
dms. ..lb. .39 • .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .20 • .21
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms..lb. .18 • .19
Citrate, dibasic, bbls..lb. .75 • —
dms. ..lb. .80 • .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms..lb 2.40 • —
Iodide, NF, jars ..lb. 3.81 • 3.91
Linoleate, plastic, 80%, dms., works lb. .40½ • —
kgs., works ..lb. .42½ • —
25%, dms., frt. alld..lb. .21¾ • —
tech., bbls., works..lb. .37 • —
dms., works ..lb. .39 • —
Molybdate, chemical grade, bbls., kgs. lb. .85 • —
metal grade, kgs ..lb. .90 • —
tech. grade, bbls., kgs..lb. .80 • —

Ammonium nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.63.00 • —
dom., bgs., western works ton.58.00 • —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.40.00 • —
Oleate, dms., precip ..lb. 23¼ • —
Oxalate, fine gran., dms..lb. .25 • .31
Pentaborate, gran., bbls., c.l., works..ton.212.00 • —
ton lots, works ..ton.265.50 • —
less ton lots, works..ton.270.50 • —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works..lb. .50 • .75
Persulphate, kgs ..lb. .25½ • .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 • .08¼
l.c.l., works ..lb .08½ • —
dibasic, NF V, bbls., dms..lb. .40 • —
tech., bgs., c.l., works..lb. .08 • —
l.c.l., works ..lb. .08½ • —
Salicylate, NF, dms., kgs..lb. 1.34 • 1.38
Silicofluoride, dms., works..lb. .12 .13
Sulphamate, bbls., dms., works lb. .18 .20
Sulphate, coke-oven, bulk, producing ovens..ton.32.00 -37.00
converters' bulk, works..ton.37.50 -38.00
Sulphide, liquid, 40-45% basis, 100% dms., c.l., works. lb. .10¼ • —
l.c.l., works ..lb. .15½ • —
tanks, dlvd or frt. alld lb. .09 • —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate, tech., bbls., c.l., works..lb. .15 • .18
l.c.l., works..lb. .16 • .20



paper stripped by bricker-ems

"let 'er roll"

Whether they "roll" in tank cars,
or any other type of container, Niagara chemicals
are unsurpassed for quality.

EBG* Liquid Chlorine
NIALK* Caustic Potash
NIALK Carbonate of Potash
NIALK Paradichlorobenzene
NIALK Caustic Soda
NIALK TRICHLOREthylene
NIAGATHAL*
(Tetrachloro Phthalic Anhydride)
*Trade-mark

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb. 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .24¾ - —
l.c.l., dlvd lb. .25¾- - —
tanks, dlvd lb. .23 - —
ex pentane, dms., c.l., frt. alld. E, of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Cinnamic, aldehyde, dms lb. 1.60 - 2.05
Nitrite, USP bots lb. 1.75 1.83
Salicylate, cns., dms lb. .80 - .85
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .45 - .50
Angostura bark, bls lb. .48 - .50
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .17¼
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star, bgs lb. .24 - .25
Cyprus, bgs lb. .20 .20¼
Czech, bgs lb. .15½- .16
Mexican, bgs lb. .16 - .16½
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .15½- .16
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .80 - .83
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .32 - —
cases, c.l., mines lb. .32½- —
Oxide, bgs., c.l., frt. alld lb. .27½- .29½
l.c.l., frt. alld lb. .28½- .30½
Trichloride, pails, works lb. .34 - .36
solution, cbys lb. .33¼- .34
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .24 - .24½
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, dms. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) .17.00 - —
Arnica, flowers, bls lb. .45 - .50
root, bls lb. 1.45 - —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt. lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .06 - —
White, powd., bbls., c.l., dlvd lb. .07 - .08
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l. (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

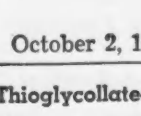
Gilsonite, brilliant black, selects, 270°-295° F fusing point, c.l., bgs., f.o.b. Colo. mines ton.37.00 - —
seconds, 300°-390° F, fusing point not uniform, c.l., bgs., Colo. mines ton.34.00 - —
jet, c.l., bgs., Colo. mines ton.34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Steam-rfd., less than 80 penetration, tanks tankwagon refinery ton.22.00 - —
80-300 penetration tanks tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz. 9.75 -10.00
Sulphate, USP, bots oz. 5.75 - 6.35

B

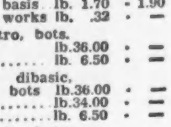
Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs. lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .45
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works, ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs. frt. equald lb. .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09¼
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .39 - —
smaller lots lb. .40 - .41
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works lb. .21 - —
tech., bgs., c.l., works, frt. equald ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.37.60 -37.85
l.c.l., same basis ton.38.60 - —
ex whse., N. Y. ton.53.45 -61.75
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bauxite, bulk, mines ton. 8.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .50 - .55
Root, bls. lb. .40 - .41
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde, NF, dms lb. .70 - —
tech., cbys., dms lb. .47 - .52
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .85 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol, pure, nitration, tanks, works, Bethlehem, Pa gal. .31 - —
Birmingham district gal. .30 - —
Chicago district gal. .30 - —
Cleveland district gal. .30 - —
Geneva, Utah gal. .30 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .32 - —
Lone Star, Texas gal. .32 - —
Lorain, Ohio gal. .30 - —
Minaqua, Colo gal. .30 - —
Philadelphia, Pa gal. .30 - —
Pittsburgh district gal. .30 - —
Sparrows Point, Md. gal. .32 - —
Syracuse, N. Y. gal. .30 - —
Terre Haute, Ind. gal. .30 - —
Wyandotte, Mich. gal. .30 - —
Youngstown, Ohio gal. .30 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq. lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works, lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald. lb. .19 - .19¼
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns. lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works, lb. .21 - .21½
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb. .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.17 - —
Oxide, anhydrous, dms lb. 4.47 - 4.85
Oxychloride, dms lb. 4.32 - 4.37
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP dms lb. 3.50 - —

ALCAN MAGNESIA "90"

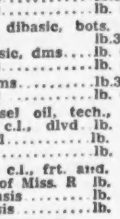
a high grade magnesia for the manufacture of...



1 Magnesium oxychloride and oxysulphate type of flooring

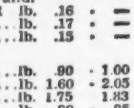


2 Refined magnesia chemicals requiring a high magnesia content material

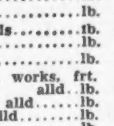


3 Magnesium bisulphite liquor for the pulp and paper industry

4 Magnesium metal



5 Insulation —
85% magnesia for pipe insulation
Periclase for high temperature electrical insulation



6 Basic refractories — both chrome-magnesia and periclase for metallurgical and other processes.

7 Fertilizer — for magnesia deficient soils

Alcan's Magnesia "90" is derived from the mineral brucite ($Mg(OH)_2$) which occurs in unusual form in deposits near Wakefield, Que. Although brucite exists elsewhere in commercial quantities, it is only from the Wakefield deposits that it can be recovered as a high grade magnesia concentrate having a unique granular structure.

Chemicals Division

ALUMINUM COMPANY OF CANADA, LTD.

1700 Sun Life Building, Montreal

EXPORT DISTRIBUTORS:

L'ALUMINIUM COMMERCIAL, S.A. Zurich

ALUMINIUM UNION LTD. London Stockholm Madrid Montreal Shanghai Sydney Calcutta

ALUMINUM IMPORT CORP. New York Buenos Aires Sao Paulo

Bismuth-ammonium citrate, USP, powd., jars..lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l. shipt. point lb. .17 .19
Bone, bgs. bbls. l.c.l. dlvd lb .14¾- .22¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast ex dock or whse. 1½c. per lb higher

Carbon, channel, beads, bulk, c.l., works..lb. .07 - —
bgs., c.l., works.....lb. .0740- —
l.c.l., dlvd. or whse...lb. .1225- —
uncompressed, regular, bgs., c.l., works..lb. .0950- —
bgs., ctns., l.c.l., dlvd. or whse lb. .1550- —
furnace, fast extruding, bgs., c.l., works..lb. .06 - —
ctns., l.c.l., whse.....lb. .10 - —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse.....lb. .0950- —
semi-reinforcing, bgs., c.l., works..lb. .04 - —
ctns., l.c.l., whse.....lb. .08 - —
very fine, bgs., c.l., works..lb. .06 - —
l.c.l., dlvd., or whse.....lb. .1250- —

Charcoal (see C)
Graphite (see G)

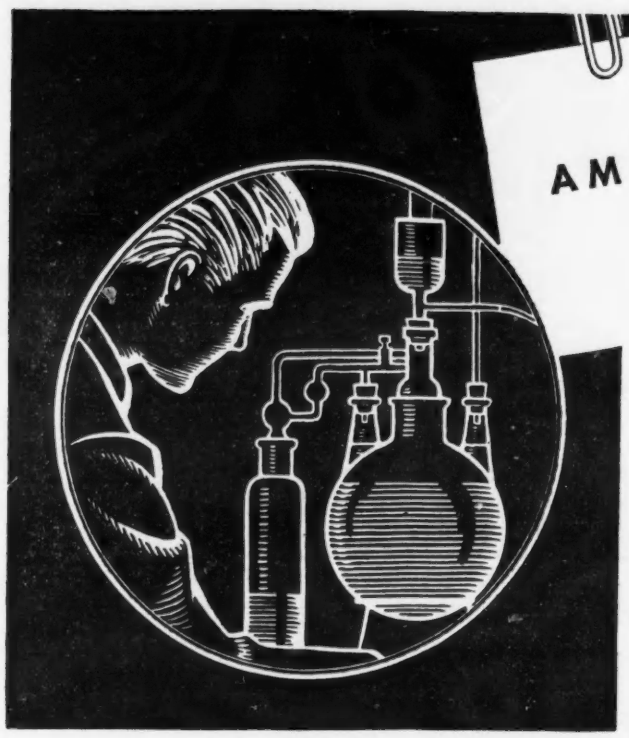
Iron oxide synthetic bgs., c.l., works lb. .11 - —
l.c.l., works.... lb. .11¼- —
Lamp, bgs., c.l., works lb. .07 30
Mineral, bgs. works .lb. 0160- 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls .... lb. .30 - .32
root, bls ..... lb. .10 - 12
Black dyes (see Dyes)
Black haw, root bark, bls.....lb. .65 .75
Tree bark bls ... lb 28 .30
Black Indian hemp root, bls.... lb. .50 - .58
Blanc fixe dry by-product, bgs. c.l., works ton.85.00 - —
l.c.l., works..... ton.95.00 - —
direct process, bgs., c.l. works ton.85.00 - —
l.c.l., works ..ton.90.00 - —
N. Y whse.....ton.113.00 - —
bbls., c.l., works ....ton.90.00 - —
l.c.l., works ....ton.95.00 - —
N Y whse.....ton 118.00 - —
pulp, 66⅔% bbls. c.l., works. ton.69.00 - —
l.c.l., same basis ..... ton.75.00 - —
Bleaching powder dms. c.l., works, 100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 6.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.25 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs ..... lb. .15 .16
l.c.l. ..... lb. .16 .18
Bloodroot, bls.....lb. .50 - .63
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls. litho flushed, same basis lb. 1.05 - —
Celestial bbls. same basis lb .15 .16
Chinese, bbls., same basis..... lb. .42 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls. same basis lb 3.75 3.85
80%, bbls., same basis lb 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis.....lb. .42 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic lb 4.00 - —
Potash CP. bbls. same basis lb .51 - —
Prussian, bbls., same basis.....lb. .42 - —
soluble, bbls., same basis...lb. .42 - —
Soda, C.P., bronze, bbls., same basis..lb. .42 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis.lb. .25 - .26½
jobbing type, dry bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 .29
Victoria toner, molybdic, bbls lb 3.75 - —
Tungstic, bbls ... lb 3.75 - —
Violet toner, molybdic, bbls., same basis lb 1.24 - —
Tungstic, kgs., same basis ..lb 2.60 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls.....lb. .50 - .55
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .09 - .12
Bone, raw, bulk, Chicago.....ton 75.00 - —
junk, bulk same basis....ton.50.00 52.00
Meal, raw, 4½% ammon., 50% phos. bgs. E. works ton.62.50 - —
Chicago, works.....ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works..ton.60.00 - —
Chicago, works.....ton.60.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs. E. works. ton.62.50 - —
Chicago, works ..ton.62.50 - —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves bls.....lb. .15 - .16
Borage flowers bls.....lb. .40 - 45
Borax, tech. anhydrous, bgs., c.l., works..ton.70.50 - —
ton lots, ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works.....ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works.....ton.64.00 - —
crystals, 99½% bgs., c.l., works. ton.61.25 - —
ton lots, ex whse N. Y. or Chi ton.106.50 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works.....ton.81.25 - —
ton lots, ex whse, N. Y. or Chi..ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works.....ton.57.25 - —
Borax, tech., 99½%, granular, 99½%, bgs., c.l., works. ton.35.25 - —
ton lots, ex whse N. Y or Chi ton 80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works.....ton.55.25 - —
ton lots, ex whse N. Y or Chi ton.100.00 - —
less ton lots same basis, ton.105.00 - —
bulk, c.l. works . ton.31.25 - —
powder, bgs., c.l., works.....ton.40.25 - —
ton lots, ex whse N. Y or Chi ton.85.00 - —
less ton lots same basis. ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse N. Y or Chi ton.105.00 - —
less ton lots same basis, ton.110.00 - —
bulk c.l. works ton.36.25 - —

Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech

Bordeaux mixture, bgs. c.l. works, frt alld or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 .23
Borneol ens lb 2.25 2.50
Bornyl thiocyanoacetate (see isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd ..... lb. .23 - —
Bromoform, pharmaceutical grade, bots. lb. 1.62 - 2.60
cbys. ..... lb. 1.52 - —
Bromstyrol, bots .....lb. 5.35 - 5.75
Bronze powder aluminum (see A).
Gold, litho., ens., dms., works. lb. .50 - .60
moulding, ens., dms., works. lb. .80 - 1.00
printing ink, ens., dms., works lb. .95 1.10
radiator cans dms works.lb. 60 65
Broomtop, bls. .....lb. .30 - .35
Brown iron oxide synth. bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works ..... lb. .12 - —
powdered ..... lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works ..... lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works ..... lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- 08¼
l.c.l., works.....lb. .06½- .08½
raw, American bgs., same basis. lb. .04¼- .06½
Turkey type, bgs., same basis. lb. .06½- .06¾
Vandyke, bbls works ..... lb. .11 - —
Brucine, ens., 100 ozs ..... oz. .35 - —
Sulphate, NF cns., 100 ozs....oz. .30 - —
Bryonia root bls ..... lb .29 .35
Buchu leaves, bls.....lb. .42 - .50
Buckthorn bark, bls.....lb. .12 - .14
cut and sifted, bls.....lb. .18 - .20
Berries, bgs .....lb. .80 .90
Burdock, root, bls.....lb. .22 - .26
Butadiene, cyls., refinery.....lb. .21 - —
tanks, same basis.....lb. .11½- —
Butane, indust., tanks, group 3 gal. .03½- —
Butternut bark, bls ..... lb. .25 - .30
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .18¾- .29¾
l.c.l., same basis ..... lb. .19¾- .30¾
tanks, same basis ..... lb. .17 - .28
synthetic, normal, dms., c.l., same basis lb. .16¼- —
l.c.l., same basis ..... lb. .17¼- —
tanks, same basis ..... lb. .14½- —
secondary, dms. c.l., same basis lb. .12¾- —
l.c.l., same basis ..... lb. .13½- —
tanks, same basis ..... lb. .11½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works...lb. .19¾- —
l.c.l., works .....lb. .20¾- —
tanks, works.....lb. .18 - —
Chloride, dms., c.l., works.....lb. .41½ —
l.c.l., works ..... lb. .42 - —
Ether (see Ether, butyl).
Lactate dms c.l. frt alld E. of Rockies lb. .42½- —
l.c.l. same basis lb. .43½- —
tanks, same basis lb. .41 - —
Laurate dms. works lb .42 —
Methacrylate, normal, dms., less than truckload, works lb. .60 —
Oleate refd dms l.c.l works lb .52 —
Phenylacetate dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate).
Stearate dms c.l. frt alld E. of Rockies lb. .32 - —
l.c.l., same basis ..... lb. .33½- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., same basis ..... lb. .52½- —
tanks, same basis ..... lb. .49¾- —
Butyric ether (see Ethyl butyrate)



PARA AMINOSALICYLIC ACID

Calco

Para Aminosalicylic Acid (4-aminosalicylic acid; 2-hydroxy, 4-aminobenzoic acid) inhibits the growth of the tubercle bacillus at low concentrations in vitro. The results of preliminary studies of its therapeutic effectiveness have been promising. The drug is now undergoing extensive clinical investigation. Indications are that Para Aminosalicylic Acid will prove a valuable agent in the treatment of human tuberculosis, either alone or in conjunction with other drugs such as streptomycin.

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Sodium Sulfapyridine
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(powder, micro crystal and Calcomites)
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Calcium Pantothenate (Dextro)
Choline Chloride
Choline Citrate, Tri
Choline Dihydrogen Citrate
Choline Bitartrate
Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
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*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

PHARMACEUTICAL DEPARTMENT · CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.40 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP cryst., ems., 100 lbs or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs. or more lb 3.80 - —
anhydrous, dms., 100 lbs. or more lb 4.00 - —
Citrated, USP, dms., 100 lbs or more lb 2.60 - —
Hydrobromide, bots lb 6.70 Nom.
Calabar beans, ngs., futures lb 65 66
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .28 - .30
imported, bleached, bls lb 70 Nom.
peeled, bls lb 30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 - 1.00
Carbide, standard generator size, dms., c.l., dlvd ton 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 23.50 -25.00
l.c.l., same basis ton 52.00 -82.00
liquor, works, basis 40%, tank-cars ton. 9.75 -10.50
pellets, bgs., c.l., works ton 29.40 - —
solid, 73-75% dms., c.l., works, same basis ton 22.00 - —
l.c.l., works, same basis ton 32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. 29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 - .50
Gluconate, AA, bbls., dms lb. 65 - 72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.85 - 2.00
Hydride, dms., works lb. .90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -27.50
cns., cased (45 lbs.) same basis, cs. 19.75 -21.50
Hypophosphite, ton lots or less, dms lb. .80 .83
Iodide, jars lb. 4.10 - 4.12
Calcium lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .23¾- .24¼
Nitrate, tech., bbls., works lb. .10 - .12
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs 7.10 7.45
feed grade, bgs., 15 tons, works ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb 06¼- —
tribasic, bgs., c.l., works 100 lbs 6.50 - —
l.c.l., works 100 lbs 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .25¼- —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, precip., ctns., c.l., works lb. .37 - —
l.c.l., works lb. .38 - .39
Sulphate (see Gypsum).
Calendula flowers, bls lb. .55 - .80
Calomel, USP, fine powd., dms. lb 1.97 - 1.98
reg. powd., dms lb 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphene, c.l., works, dms., incl. 100 lbs. 13.10 -14.10
l.c.l., same basis 100 lbs. 13.40 -15.75
tanks, same basis 100 lbs. 11.00 -12.00
Camphor, monobromated, NF, dms., kgs. lb. 2.75 - 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs. lb. .85 - .93
Camphor, synthetic, tech., bbls., 2,000 lbs. or more, whse. lb. .43 - —
10 bbls. (1,500 lbs.) lb. .45 - —
smaller lots lb. .46 - .56
USP, gran., powd., bbls., 2,000-lb. lots lb. .50 - —
1,000-lb. lots lb. .51 - —
smaller lots lb. .52 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs. lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 4.10
Capsicum (see Pepper, red)
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.50
from African pepper lb. 5.75 - 6.75
Caramel coloring, NF, bbls gal. 1.05 1.20
Caraway, Dutch lb. .16¼- .16¾
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld., E. lb. .14¼- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. dms., c.c., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .08½- .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, c.p., dms., works lb. .10 - .11
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .09½- —
W. of Rockies, frt. alld. lb. .102 - —
tanks, E. of Rockies, frt. alld. lb. .07¼- .08¼
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, fancy, cs. lb. 3.80 - 3.85
bold, cs. lb. 3.65 - 3.70
medium, cs. lb. 3.30 - 3.35
decorticated, Alleppey, cs. lb. 4.00 Nom.
Ceylon, cs. lb. 3.40 Nom.
Guatemala, cs. lb. 3.95 - 4.00
Indian, cs. lb. 3.65 - 3.70
Mangalore, cs. lb. 3.65 - 3.70
green, Alleppey, bgs. lb. 3.25 - 3.30
Ceylon, bgs. lb. 3.25 - 3.30
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn. cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .65 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 9.00
Cascara sagrada bark, bulk lb. .30 - .33
Case-hardening mixture, 30% gran. dms., l.c.l., works lb. .10½- —
Casein
bgs., 10,000 lbs. or more, ship't point lb. .38 - .39¼
premium, bgs., 10,000 lbs. or more, ship't point lb. .39½- .41½
Imp. acid-precip., ground 100 bgs. or more, ex-dock lb. .37 - .37¼
rennet-precip., bgs., 10,000 lbs. or more, ex-dock lb. .36 - .37
Cashew nut, shell liq., treated, dms., c.l., f.o.b. Newark, N. J lb. .21 - —
ton lots same basis lb. .22¼- —
dm 'gs same basis lb. .24¼- —
Cassia, rolls, Batavia, longstick, bls lb. .30 - .31
broken lb. .20½- .21
shortstick, bls. lb. .20 - .20½
China, Canton, Kwangsi, select, cs. lb. .15 - .15½
broken, bls lb. .14 - .14½
Honan, Yunnan, scraped, bls. lb. .16¾- .17
broken, bls lb. .16¼- .16½
unscraped, bls lb. .16 - .16¼
broken, bls lb. .13½- .16
Saigon, broken, bls lb. .34 - .35
medium, bls lb. .46 - .47
thin, bls lb. .50 Nom.
Cassia fistula, bskts lb. .30 35
Castor beans, bgs., f.o.b. Brazilian ports long ton. 180.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 32.50 Nom.
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst., fib., dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip leaves, bls lb. .70 - .75
Celery seed, French, bgs, afloat lb. .38 - .38½
Indian, bgs lb. .28 - .28½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. 42 —
l.c.l., same basis lb. .44 - .49

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for manufacturers and processors

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POLYBUTENES
CRESYLIC ACIDS

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PURIFIED SULFONATE
PHTHALIC ANHYDRIDE
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824 WHITNEY BUILDING, NEW ORLEANS 12, LA.

2056

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works..lb. .54 - —
less than 500 lbs., works. lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works. lb. .51 - —
26.5% butyryl content, ctns., 500 lbs. and over, works.lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs and over, works..lb. .52 - .53
less than 500 lbs., works lb. .53 - .56
48% butyryl content, ctns., 500 lbs. and over, works..lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms. l.c.l., frt. alld. lb. .56 - .61
regular black, dms. l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb. .46 - —
Cerium nydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works..lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02½- .05½
l.c.l., ex whse.....lb. .04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, ogs., c.l., works. ton.32.50 -40.00
rubber makers, bgs., c.l., works ton 20.00 - —
Chamomile flowers, Hungarian, cs lb. .85 - 1.00
Roman, bls. .....lb. .80 - .85
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works.....lb. .26½- .32½
smaller lots, works.....lb. .27 - .50
Bone, NF, bbls .....lb. .23 - —
Hardwood, briquets, bgs., c.l., works..ton.51.80 - —
bulk, c.l., works.....ton.49.80 - —
granular, bgs., incl., c.l., works. ton.46 80 -59 00
lump, bgs., extra, returnable, c.l., works .ton.41.80 -45.50
bulk, c.l., works .....ton.38.80 -43.50
Pinewood, gran., powd., ogs., c.l. works, South..ton.40.00 - —
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 —
l.c.l., works, South ...ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works.....lb. .0440- .0450
tanks, works .....lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works.....lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works..ton.12.50 -13.00
l.c.l., works....ton.13.50- 14.00
bulk, c.l., works..ton. 9.50 -10 00
200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me..gross ton.19.00 -40.00
powd., ogs. c.l., ex dock. net ton.35.00 -45.00
l.c.l., ex whse.. net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works .....lb. .24 - —
tanks, works .....lb. .21 - —
Hydrate, USP, jars .....lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. 75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works .....lb. .70 - .75
refined, dms., c.l., works.....lb. .75 - —
l.c.l., works .....lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works .....lb. .43 - —
Chlorine, liquid, cyls., c.l., N.Y..lb. .08¾- —
l.c.l., N.Y., stock points..lb. .10¼- —
tanks, single units, works, frt. equald..100 lbs. 2.70 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 3.20 - —
2 cars, same basis..100 lbs. 3.80 - —
1 car, same basis.....100 lbs. 4.40 - —
Chloroform, tech, dms., c.l., dlvd. E lb. .18 - .20
l.c.l., same basis.....lb. .20 - .22
tanks, same basis.....lb. .16 - —
USP, dms. .....lb. .30 - .35
Chloro(4)-2-Toluidine, bbls. .....lb. 1.38 - —
Chlorophyll, 4% oil soluble, water soluble, cosmetic and pharmaceutical, pails, tins lb. 3.75 - 4.25
Chloropicrin, com'l, bots .....lb. 1.50 - —
cyls., 180 lbs., frt. alld.....lb. .95 - —
100 lbs., same basis.....lb. .97 - —
25 lbs., same basis .....lb. 1.22 - —
Cholesterol, USP, fib, dms., 100-lb. lots..lb. 8.50 - —
5-lb. pkg. ..... lb 9.00 - —
1-lb. pkg. ..... lb 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½% bbls., works....lb. .08 - —
cbys. .....lb. .09¾- —
8½%, bbls., works.....lb. .08½- —
cbys. .....lb. .10¼- —
Fluoride, bbls., works .....lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls .....lb. .49 - —
Trioxide, USP, bots.....lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots.....lb. 7.65 - 9.29
Cinchona bark, NF, red, quill, 20-inch, cs. lb. 1.26 Nom.
broken, bgs .....lb. .40 - .45
yellow, broken, bgs.....lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs.....oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs ...oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted..lb. 4.50 - 4.85

Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns.. dms.....lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls.....lb. .34 - .35
Citral, bots., cns.....lb. 5.35 - 6.10
Citronellal, bots., dms.....lb 2.50 - 7.75
Citronellol, bots., dms.....lb. 2.85 - 3.15
Civet, bots. .....oz. 4.00 -13.00
artificial, bots.....lb.13.75 -15 00
Clove, Madagascar, bls.....lb. .25½- .26
Zanzibar, bls.....lb. .26½- .27
Clover tops, red, dom., bgs.....lb. .80 - .90
imported, bgs .....lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works .....lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms. c.l. ex-whse, gal. .24 - —
l.c.l., ex-whse.....gal. .26 - —
tanks, ex-whse.....gal. .14½- —
refd., resale, bbls, c.l. ex-whse gal. .25 - —
l.c.l., ex-whse.....gal. .27 - —
tanks, ex-whse.....gal. .15 - —
Cobalt acetate, bbls, dlvd .....lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works. lb. .91¼- —
Hydrate, 60.3% Co, bbls.....lb. 2.13 - —
Linoleate, liquid, 6% Co, dms..lb. .48¾- —
fused, 8½%, Co, dms.....lb. .58 - —
Metal, 97-99%, kgs., ex-whse..lb. 1.80 - —
under 100 lbs., ex-whse....lb. 1.62 - 1.87
Cobalt naphthenate, liq., 6% Co, dms..lb. .37¼- .37¾
Nitrate, 20.4% Co, bbls.....lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms..lb. .23¼- —
Sulphate, bgs, 21% Co, kgs ..lb. 1.05 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride cns. 100-oz. lots.oz.11 75 - —
Cochineal, gray, bgs .....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocillana bark, bgs .....lb 16 - .17
Cocoa butter, bgs.....lb. .74 - .75
Codeine, NF, cns. 100 ozs .....oz.13.25 - —
Hydrochloride, cns., 100 ozs...oz.11.85 - —
Phosphate, USP cns., 100 ozs oz.10.25 - —
Sulphate USP cns. 100 ozs ..oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls .....lb. .20 - .25
Blue, root, bls.....lb. .17 - .18
Colchicine, USP, bots., cns.....oz.79.00 -85.00
Colchicum root, bls .....lb .60 .70
Seed, bgs. .....lb. 1.10 - 1.20
Collodion, USP, dms.....lb. .21 - —
Flexible USP dms.....lb. .22½- —
Colocynth, pulp, bls.....lb. .22 - .25
Colombo root, bls. .....lb. .13 - .15
Coltstoot leaves, bgs .....lb 30 .35
Condurango bark, bgs.....lb. .18 - .28
Copaiba balsam, cns., dms.....lb. .75 - .85
Copper acetate, cupric, bbls, works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works....lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works.....lb. .20¼- —
Citrate, USP 5-lb bots..... lb. 2.40 - —
Cyanide, tech., bbls.....lb. .523 - .543
Gluconate, cns., dms.....lb. 3.00 - 3.24
Copper hydrate, dms., frt. alld. E. Miss..lb. .27½- .28
Metal, electrolytic, dlvd .....lb. .24½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld..lb. .23¾- .23½
Nitrate, tech., cryst., bbls., works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls..lb. .27 - —
solid 10% Cu, bbls .....lb. .39 - —
Oxide, black, bbls., works.....lb. .33 - .36
red, com'l, bbls., works.....lb. .35 - .37
Oxychloride-sulphate, bgs., frt. alld..lb. .24¼ Nom.
Quinolate, fib, dms .....lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .25¼- —
Stearate, bgs., works.....lb. .44½- —
Sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 8.65 - —
l.c.l. .....100 lbs. 8.90 - 9.65
CP, cryst., gran., bbls., works. lb. .1440- —
monohydrated, 35%, dms., c.l., works..100 lbs.14.40 - —
tribasic, dealers, bgs., c.l., works, frt. alld..lb. .2370- —
l.c.l., works.....lb. .2520- —
USP, gran., cryst., dms.....lb. .1440- .28
Undecylenate, dms.....lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works .....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works .....ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.212.50 - —
Pacific ports.....ton.207.50 - —
Coriander seed, Argentine, bgs..lb. .19 - .20
Italian, bgs .....lb. No stocks.
Moroccan, bgs. .....lb. .25 - .28

The Standard of Quality

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NICHOLS TRIANGLE BRAND REG. U.S. PAT. OFF. CHEMICALS
40 WALL ST. NEW YORK

COPPER SULPHATE

99+% PURE

ALSO *Nickel Sulphate • Selenium*

Tellurium • L=C Brand Zinc Sulphate

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40 Wall Street, New York 5, N. Y. 230 N. Michigan Ave., Chicago 1, Ill.

Corn Sugar—Dihydrostreptomycin Hydrochloride

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.39 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.57 - —
l.c.l. 100 lbs. 6.72 - —
Cornsilk, bls. lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd. dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk Memphis ton.67.00 - —
Coumarin, NF, cns. lb. 3.00 - 3.25
powd., cans lb. 3.25 - 3.50
Cramp bark, NF, bls. lb. 1.03 - 1.10
Cranesbill root, bls. lb. .55 - .60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .31 - —
smaller lots, bbls., kgs. lb. .31½- .32½
Creosote, coaltar crude tanks, works, frt. adjusted gal. .18 - .20
refined, dms., c.l., works gal. .36½- .40
l.c.l., same basis gal. .37½- .47
tanks, same basis gal. .23½- —
solution, 80%, tanks, works. gal. .188 - —
NF, beechwood, bots., cbys. lb. 1.25 - —
hardwood, bots., cbys. lb. .95 - —
Pinewood, dms gal. .31 - .32
Carbonate, NF, bots., cbys. lb. 2.70 - —
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .138 - —
l.c.l., same basis lb. .141 - —
Cresols, tech., dry, above 207° C, ret. dms., c.l., same basis. lb. .1375- —
l.c.l., same basis lb. .1410- —
tanks, same basis lb. .125 - —
USP, non-ret. dms., c.l., same basis lb. .148 - —
l.c.l., same basis lb. .151 - —
ret. dms., c.l., same basis lb. .145 - —
l.c.l., same basis lb. .148 - —
tanks, same basis lb. .135 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., l.c.l., works 100 lbs.14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs. lb. .35 - .45
powd., cs. lb. .44 - .54
Culvers root, bbls. lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Iranian, bgs. lb. .19 - .20
Morocco, bgs. lb. .19 - .20
Syrian, bgs. lb. .19 - .20
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works lb. .11¾- —
tanks, works lb. .09¾- —
Cyclohexanol, tech., dms., c.l., works. lb. .31½- —
l.c.l., works lb. .33 - —
tanks, works lb. .30 - —
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .37½- —
l.c.l., works lb. .38½- —
tanks, works lb. .36½- —
Cyclopropane, USP 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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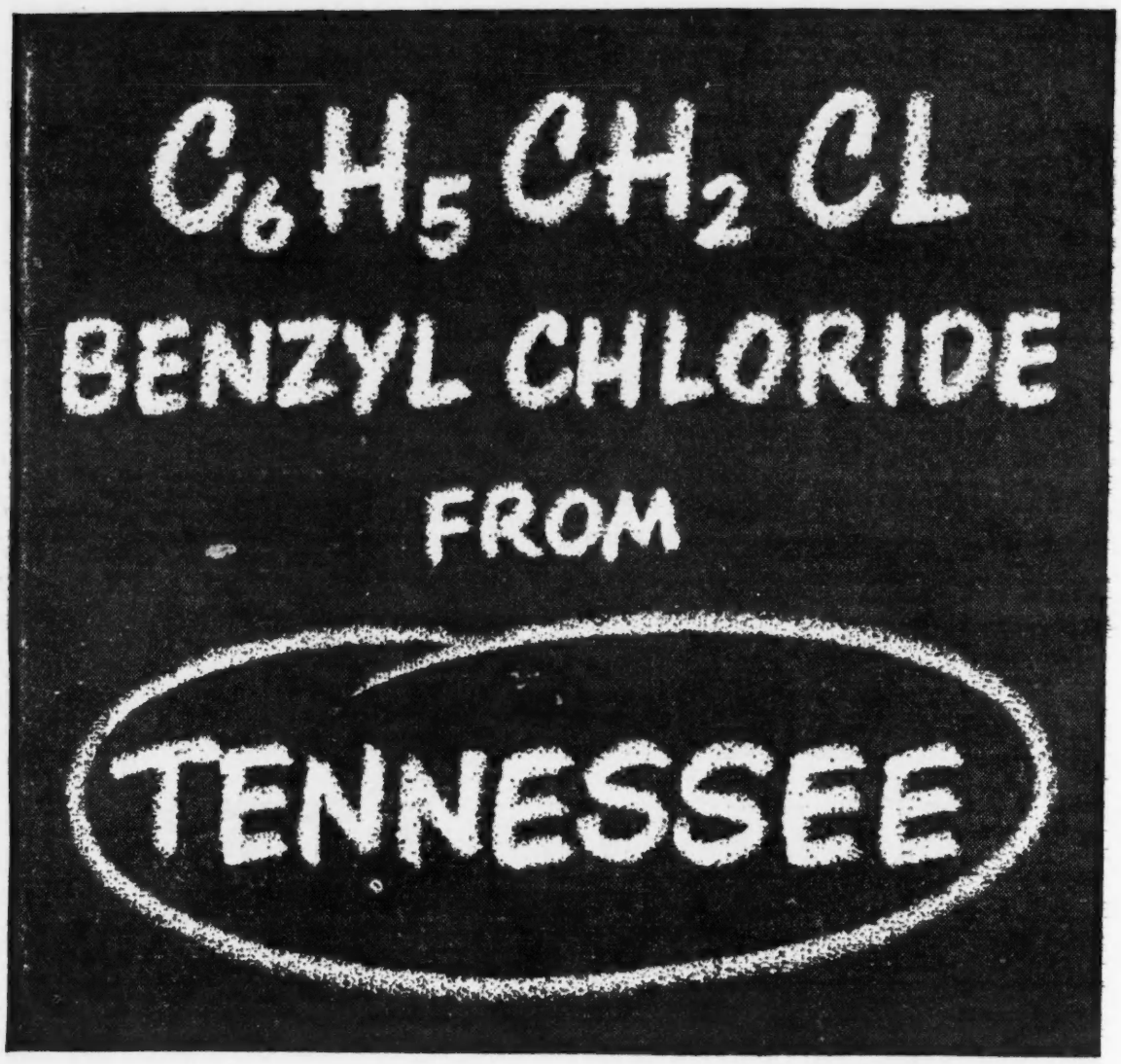
2, 4-D, bbls., c.l., works, frt. equald, lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls. lb. .40 - .45
Dandelion root, bls. lb. .50 - .55
DDD, tech., fine grd. fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .38
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls. lb. .35 - .40
Defluorinated phosphate, 68% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P. paper bgs., works ton.45.00 - —
Degras, common, bbls. lb. .11 - .12
Neutral, less 2% ffa., bbls. lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro dms lb.30.00 - —
dextro-laevo, dms lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.70 - —
l.c.l. 100 lbs. 7.85 - —
Chicago, c.l. 100 lbs. 7.05 - —
canary, paper bgs., c.l. 100 lbs. 7.34 - —
l.c.l. 100 lbs. 7.69 - —
Chicago, c.l. 100 lbs. 6.89 - —
dark, paper bgs., c.l. 100 lbs. 7.64 - —
l.c.l. 100 lbs. 7.79 - —
Chicago, c.l. 100 lbs. 6.99 - —
white, paper bgs., c.l. 100 lbs. 7.39 - —
l.c.l. 100 lbs. 7.54 - —
Chicago, c.l. 100 lbs. 6.74 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, domestic bgs. lb. .09½- .10
imported, bgs. lb. .08½- .09
Dextrose, USP dms lb. .17¾- —
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots. works lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
purified, bgs., c.l., Atl. coast. ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾- —
l.c.l., works lb. .76¾- —
tanks, works lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .36¾
l.c.l., dlvd lb. .34½- .37¾
tanks, dlvd lb. .32 - .35
Sebacate, dms., c.l., works lb. .60¾- —
l.c.l., works lb. .61¾- —
tanks, works lb. .59 - —
Tartrate, dms., works, frt. alld. lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., frt. alld lb. .52½- —
tanks, frt. alld. lb. .49¾- —
Dicapryl phthalate, dms., c.l., dlvd. lb. .39¾- —
l.c.l., dlvd. lb. .40¾- —
tanks, dlvd. lb. .38 - —
Sebacate, dms., c.l., works. lb. .63¼- —
l.c.l., works lb. .64¼- —
tanks, works lb. .61½- —
Dichloroaniln, dms., works. lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .41¼- —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Dicyclohexylphthalate, tib. dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .46 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .28¼- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .26½- —
Diethyl carbonate, dms., c.l., frt. alld. lb. .36¾- —
l.c.l., same basis lb. .37¾- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd. lb. .45 - —
l.c.l., dlvd. lb. .49 - .52½
tanks, dlvd. lb. .43½- —
Oxalate, dms., c.l., frt. alld. lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd. lb. .29¾- —
l.c.l., dlvd. lb. .30¾- —
tanks, dlvd. lb. .28 - —
Sulphate, dms., c.l., works. lb. .17¼- —
l.c.l., works lb. .17¾- —
tanks, works lb. .15½- —
Diethylamine, dms., c.l., frt. alld., E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼- —
Diethylanilin, dms. lb. .68 - —
Diethyleneglycol, dms., c.l., frt. alld., E lb. .19¼- —
l.c.l., same basis lb. .20¼- —
tanks, same basis lb. .17½- —
Boriborate, dms., l.c.l. lb. .28 - —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .25¾- —
l.c.l., works lb. .26¾- —
tanks, works lb. .24 - —
Monobutylether acetate, dms., c.l., works lb. .27¼- —
l.c.l., works lb. .27¾- —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .19¾- —
tanks, works lb. .17½- —
Monoethylether, acetate, dms., c.l., works lb. .25¼- —
l.c.l., works lb. .25¾- —
Monomethylether, dms., c.l., works. lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .21½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½- —
l.c.l., same basis lb. .62½- —
tanks, same basis lb. .59¾- —
Diethylstilbestrol, USP, bots. kilo.240.00 -300.00
Digitalin, cryst., bots. gram.12.50 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms. lb. .85 - 1.25
Digitoxin, USP, bots. gram. 7.50 - 8.00
Diglycol, laurate, dms. lb. No prices.
Oleate, dms. lb. .38 - —
Stearate, dms. lb. No prices.
Dihexyl sebacate, dms., c.l., works. lb. .51¾- —
l.c.l., works lb. .52¾- —
tanks, works lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .60 - —
wholesalers, vials gram. .63 - —



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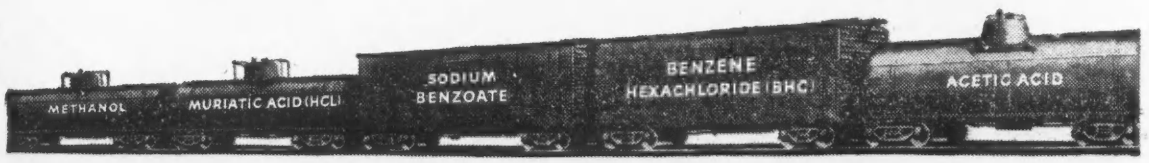

Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15¼ - —
l.c.l., dlvd lb. .16¼ - —
tanks, dlvd lb. .13½ - —
Di-isobutylene, dms., c.l., works lb. .08¼ - —
l.c.l., works lb. .09 - —
tanks, works lb. .06½ - —
Di-isooctyl phthalate dms. c.l., dlvd. lb. .39¾ - —
l.c.l., same basis lb. .40¾ - —
tanks, same basis lb. .38 - —
Di-isopropylamine dms., c.l., frt. alld. lb. .49¾ - —
l.c.l., same basis lb. .50¾ - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs. lb. .14 - .14½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd. lb. .25¾ - —
l.c.l., dlvd lb. .23¾ - —
tanks, dlvd lb. .24 - —
Sebacate, dms., c.l., works lb. .78¾ - —
l.c.l., works lb. .79¾ - —
tanks, works lb. .77 - —
Sulphate 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret dms., works lb. .16½ - —
Dimethylamine 25%-40% dms., cl., works, basis 100% lb. .37 .38
l.c.l., works, basis 100% lb. .37½ .38½
tanks, works basis 100% lb. .32 —
Dimethylanilin, dms., c.l., frt. alld. lb. .24 - —
l.c.l., frt. alld lb. .25 - —
tanks, frt. alld lb. .23 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
Dinitroanilin, dms., frt. equald. lb. .54 - .57
Dinitrobenzene, crude, dms. lb. .16 - —
purified, dms lb. .19½ - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .16¼ - —
l.c.l., frt. alld. E lb. .17¼ - —
tanks, frt. alld. E lb. .15¼ - —
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms. lb. .09½ - —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld. lb. .42 - .43¼
l.c.l., same basis lb. .43 - .44¼
tanks, same basis lb. .40½ - .41½
Phthalate, dms., c.l., frt. alld. lb. .39½ - .39¾
l.c.l., frt. alld lb. .40½ - .40¾
tanks, frt. alld lb. .38 - —
Diorthotolyiguanidin, dms., ton lots, dlvd. lb. .52 - —
smaller lots, dlvd lb. .53 - —
Dioxan, dms. c.l. frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see tar acid oil).
Dipentaerythritol, bgs. l.c.l., works lb. .35 - —
Dipentene, dest.-dist., dms., extra, c.l., N. Y. whse gal. .52 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l. lb. .26 - —
l.c.l., works lb. .28 - —
tankcars, works lb. .23 - —
tech., tankcars, works lb. .22 - —
Diphenylguanidin, dms., ton lots lb. .43 - —
smaller lots lb. .44 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld. lb. .15¼ - .15¾
l.c.l., same basis lb. .16¼ - .16¾
tanks, same basis lb. .13½ - .14
Methylether, dms., c.l., frt. equald. lb. .19¾ - —
l.c.l., same basis lb. .20¾ - —
tanks, same basis lb. .18¼ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l. works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls. lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .09 - .12
Dragon's blood, drops, cs lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 - 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns. lb. 35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns. lb. 16.10 - —
Yellow, FD&C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 20.05 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns lb. 12.85 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots works 25-50 lb. lots dlvd:—
Blue, Ext. D&C, No. 1, cns lb. 16.10 - —
Green, Ext. D&C, No. 1 cns. lb. 16.10 - —
Red, Ext. D&C, No. 1 cns. lb. 13.50 - —
Yellow, Ext. D&C No. 1 cns lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R. lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C. lb. 1.05 - —
179 Azo rubine lb. .93 - —
176 Red lake A. lb. .80 - —

Dihydroxydichlorodiphenylmethane—Dyes, Coaltar, General Use

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb. .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red 8BL lb. 2.74 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F lb. 1.78 - —
304 Nerol 2B lb. 1.84 - —
326 Benzo fast orange S lb. 1.45 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine black 6H lb. 1.51 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc lb. .98 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B conc lb. 1.18 - —
518 Diamine sky blue FF extra conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc. lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Diamine green BXN conc. 150% lb. .97 - —
596 Congo brown CG, conc. 150% lb. 1.46 - —
620 Stilbene yellow G, conc. lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine conc. lb. 1.46 - —
655 Auramine conc. lb. 1.85 - —
657 Victoria green, sml. cryst. lb. 2.10 - —
662 Brilliant green cryst. lb. 2.79 - —
667 Brilliant milling green B conc. lb. 3.68 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
671 Brilliant blue E lb. 1.73 - —
680 Methyl violet S, conc. lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome azure blue BR conc. 200% lb. 3.75 - —
729 Victoria blue B conc. lb. 2.79 - —
739 Green SN extra lb. 2.41 - —
749 Rhodamine B extra lb. 4.33 - —
814 Fast yellow NNL, conc., 175% lb. 3.11 - —
841 Safranine T extra, conc., 125% lb. 2.90 - —
865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste. lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S, conc lb. 2.59 - —
1054 Anthraquinone blue B lb. 2.91 - —
1078 Anthraquinone green G lb. 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —

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Company_____

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Dyes, Coaltar, General Use—Fishscrap

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracine brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L, conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-244 Celliton scarlet B lb. 1.31 - —
p-313 Naphthol AS-SW lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. .81 - —
Jet, No. 531 lb. .89 - —
Brown, R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc lb. 1.37 - —
Yellow, C lb. 1.18 - —
FN, conc lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.85 - —
Black, basic, blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.55 - —
Brown, Bismarck, R, conc lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y, extra lb. .64 - —
Fuchsine, conc lb. 3.08 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine, B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl, B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Azo rubine R, extra, conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Orange, Acid, Y, conc lb. .47 - —
Scarlet, croceine, MOO lb. 1.45 - —
Yellow, azo-, conc lb. .90 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.16 - 1.18
Chinese, spot, bbls, duty paid lb. .90 Nom.
tanners, bbls lb. .06½ - .07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .22 - .25
Elm bark, grinding, bls lb. .30 - .35
powd., bbls., bxs lb. .40 - .45
select bndls lb. .55 - .60
Emetine hydrochloride USP, bots oz. 37.50 - 40.00
Ephedra herb, bls lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —

Epichlorohydrin, dms., c.l., works lb. .36¾ - —
l.c.l., works lb. .37½ - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram .45 - —
Epsom salt, tech., bgs. c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs. c.l., works 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NS, dms., tin-lined lb. 5.10 - 5.25
Eserine, bots. oz. 45.00 - 50.00
Salicylate, USP, bots oz. 33.00 - 34.00
Sulphate, bots. oz. 32.00 - 36.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .32½ - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif. dms., frt. equald lb. .14 - —
l.c.l., same basis lb. .14½ - —
tanks, same basis lb. .13 - —
technical, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .12 - —
Divinyl, USP, anesthesi., bots., 50 cc, hospitals bot. 1.00 - —
75 cc, hospitals bot. 1.56 - —
NF, dms., dlvd lb. .25 - —
Ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP, hospital cns. lb. .75 - .90
Industrial, USP, dms, c.l., dlvd. lb. .12 - —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .10 - —
synthetic, dms., incl., dlvd. East. lb. .14 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .12 - —

Ethyl, isopropyl, dms., c.l., dlvd lb. .06¼ - —
l.c.l., dlvd lb. .07 - —
tanks, dlvd. lb. .04½ - —
Nitrous, conc., bots., 100 lbs lb. 1.03 - 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .15¾ - .18¾
l.c.l., frt. alld lb. .16¾ - .19¾
tanks, frt. alld lb. .14 - .17
95-98%, dms., c.l., frt. alld. lb. .15¾ - .19
l.c.l., frt. alld lb. .16¾ - .20
tanks, frt. alld lb. .14½ - .17¼
99%, dms., c.l., frt. alld lb. .16 - —
l.c.l., frt. alld lb. .17 - —
tanks, frt. alld lb. .14¾ - .17½
NF, dms., frt. alld lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾ - —
l.c.l., frt. alld lb. .12¾ - —
tanks, frt. alld lb. .10 - —
95-98%, c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .10¼ - —
99%, dms., c.l., frt. alld lb. .12¼ - —
l.c.l., frt. alld lb. .13¼ - —
tanks, frt. alld lb. .10½ - —
Acetoacetate, dms., c.l., dlvd lb. .47½ - —
l.c.l., dlvd. lb. .48½ - —
tanks, dlvd. lb. 46 - —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works lb. .49½ - —
tanks, works lb. .48 - —
Benzoate, dms lb. .70 - .75
Betaethoxypropionate, dms, works lb. 70
Bromide, tech, 98% dms lb 39 41
Butyrate, bots gal. 5.10 - 6.00
cns, works lb. .63 - .87
dms, works lb 60 -
Carbamate (see Urethane)
Chloride, tech, dms, c.l., frt. alld, E. lb. .16 - .18
l.c.l., same basis lb. .18 - .20
tanks, same basis lb. .13½ - —
USP, bbls., cyl lb. .20 - .22
Cinnamate, cns. lb. 2.25 2.50
Formate, dms lb. .55 - .65
Iodide, bots., works lb. 3.88 - 4.27
Lactate, dms., works lb. .42¼ - —
Methacrylate, dms, c.l and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - .60
Nitrite (see Ether, nitrous)
Oenanthate, dms lb. .95 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethyl orthosilicate), 40% available SiO, dms, works lb. .55 - —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylanilin, dms., frt. alld lb. .50 - —
Ethylbenzene, dms., c.l lb. .14 - —
l.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylbutyl ketone, dms., c.l., works, lb. .31½ - —
l.c.l., works lb. .32 - —
tanks lb. .30 - —
Ethylcellulose, 6b dms, 5,000 lbs., works lb. .54 - —
smaller lots, works lb. .56 - .64
Ethylene dichloride, dms, c.l., works, frt alld E of Rockies lb. .10¾ - —
l.c.l., works, frt alld E of Rockies lb. .11¾ - —
tanks, frt. alld., E. Rockies lb. .09 - —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald lb. .25¼ - —
l.c.l., frt. equald lb. .26¼ - —
tanks, frt. dlvd lb. .18¼ - —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Ethyleneglycol, dms., c.l., frt alld, E lb. .17¾ - —
l.c.l., same basis lb. .18¾ - —
tanks, same basis lb. .16 - —
Diethylether, dms, c.l. works lb. .55 - —
Monobutylether, dms., c.l., works, lb. .21¾ - —
l.c.l., works lb. .22¾ - —
tanks, works lb. .20 - —
Monoethylether, dms., c.l., works, lb. .19¼ - —
l.c.l., works lb. .19¾ - —
tanks, works lb. .17½ - —
Monoethylether acetate, dms., c.l., works lb. .18¼ - —
l.c.l., works lb. .18¾ - —
tanks, works lb. .16½ - —
Monomethylether, dms., c.l., works, lb. .20¾ - —
l.c.l., works lb. .21¼ - —
tanks, works lb. .19 - —
Monomethylether acetate, dms., c.l., works lb. .25¾ - —
l.c.l., works lb. .26¼ - —
tanks, works lb. .24 - —
Monostearate, dms lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .33¾ - —
l.c.l., same basis lb. .34¾ - —
tanks, same basis lb. .32 - —
Ethylmorphine hydrochloride, USP bots oz. 11.85 - —
Ethylorthotoluidine (see Monoethylorthotoluidine).
Ethylvanillin, cns. 3 lbs or more lb 6.75 - —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms lb. 1.50 - 2.05
Euphorbia, pil, herb, bls lb. .16 - .18
Eugenol, pure, USP, cns lb. 2.50 - 3.25
Euphorbia, herb, bls lb. .18 - .20

F

Feldspar enamel, 160 mesh, bgs., works ton 20.00 - 22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 - 12.50
Pottery, bgs., ton lots, works ton. 20.00 - 22.00
bulk, c.l., works ton. 18.00 - 20.00
Fennel seed, Czech., dark, bgs lb. .11½ - .12
French, bgs. lb. .12 - .12¼
Indian, bgs. lb. .13 - .14
Fenugreek seed, domestic, bgs lb. No stocks.
Indian, bgs lb. .11 - .11¼
Moroccan, bgs. lb. .06½ - .07
Syrian, bgs. lb. .06½ - .07
Ferric-ammonium citrate (see Iron-ammonium citrate)
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½ - —
water-white, cs., works lb. .13½ - —
Fir balsam, Canada, cns gal. 31.50 - 32.50
Oregon, bbls. gal. 2.35 - 2.60
Fishberries, bgs lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 130.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 122.50 - —

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40% " " "
40% " " Propanol
40% " " Butanols

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Fluorspar, acid grade, bgs., c.l. mines ton 47.50 - —
l.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton 42.00 - —
noncontract, c.l., mines ton 45.00 - —
l.c.l. mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l. mines net ton 37.00 - —
powd., 90-92% ton 41.00 - —
foundry grade, lump, 55-60%, ton 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton 37.00 - —
65%, bulk, c.l., mines ton 36.00 - —
60%, bulk, c.l., mines ton 34.00 - —
less than 60% bulk c.l., mines ton 32.00 -34.00
Formaldehyde, USP, (inhibited), dms., c.l., E. works lb. .0600- .0625
l.c.l., E. works lb. .0650- .0675
tanks, E. works lb. .0395- .0420
methanol-free (uninhibited), tanks, works lb. .0375- .0400

Tankcar and tankwagon prices above are on a delivered basis in New England Eastern New York, N. J., Eastern Penna. and part of Delaware in states other than Eastern Seaboard as well as W. of Rockies; prices f.o.b. Texas plants, are .0245 for inhibited and .0225 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls. lb. .53 - .56
Fuller's earth dom. powd., bgs., c.l., Fla. Ga mines ton 30.00 - —
l.c.l., mines ton 27.00 - —
spent, bulk, Bayonne ton 2.00 4.00
imported, bgs. c.l. ton 30.00 -40.00
Furfural, tech. dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .28¾- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .27 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1a, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 - —
solid, No. 1, bxs., l.c.l. lb. .28 - .40

G

G salt, bbls, frt. alld. lb. .66 - —
Galangal root, bls lb. .25 - .30
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls. No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .1075- —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10375- .10625
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .124 - .13
natural, 26-70 octane, group 3, tanks gal. .05875- —
Gelatin, silver label, imported, cs lb. 1.15 - —
Gelsemium root, bls lb. .30 - .32
Gentian root, bls lb. .16 - .18
grd., bbls., bxs lb. .20 - .22
powd., bbls., bxs lb. .21 - .23
Geraniol, extra, cns., dms. lb. 2.60 - 3.00
prime, cns., dms. lb. 2.20 - 2.40
Geranyl acetate, cns. lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 - 9.50
from Jamaican root, bots. lb. 10.50 -14.00
Root, African, bls. lb. .45 - .45½
afloat, bgs. lb. .45 - .45½
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs. lb. .55 - .60
Jamaica, No. 1, bgs. lb. .65 - .66
No. 2, bgs. lb. .64 Nom.
No. 3, bgs. lb. .57 Nom.
Rhattoon, bgs. lb. .50 Nom.
Nigerian, split, bgs. lb. .34 - .35
Ginseng root, cs. lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .19½- —
65 jellygrams, bgs., c.l., same basis lb. .21½- —
80 jellygrams, bgs., c.l., same basis lb. .23 - —
110 jellygrams, bgs., c.l., same basis lb. .24 - —
130 jellygrams, bgs., c.l., same basis lb. .25 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .26 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd. lb. .21½- —
l.c.l., same basis lb. .22½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .24 - .27
122-149, bgs., c.l., dlvd. lb. .25 - .28
150-177, bgs., c.l., dlvd. lb. .26 - .29
178-206, bgs., c.l., dlvd. lb. .27 - .31
207-236, bgs., c.l., dlvd. lb. .28 - .32
237-266, bgs., c.l., dlvd. lb. .29 - .33
267-296, bgs., c.l., dlvd. lb. .30 - .34
299-330, bgs., c.l., dlvd. lb. .31 - .35
331-362, bgs., c.l., dlvd. lb. .32 - .35
363-394, bgs., c.l., dlvd. lb. .33 - .36
395-427, bgs., c.l., dlvd. lb. .34 - .37
428-460, bgs., c.l., dlvd. lb. .35 - .38½
461-494, bgs., c.l., dlvd. lb. .36 - .40
495-529, bgs., c.l., dlvd. lb. .37 - .41
Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd. lb. .60 - .65
soaplye, 80%, tanks, dlvd. lb. .55 - .60
dynamite, dms., c.l., dlvd. lb. .44 - .55
l.c.l., dlvd. lb. .44½- .55½
tanks, dlvd. lb. .43½- .54½
high gravity, dms., c.l., dlvd. lb. .44¼- .55
l.c.l., dlvd. lb. .44¾- .45½
tanks, dlvd. lb. .43¾- .44½
refined, BP, 98%, dms., c.l., dlvd. lb. .45½- .47
l.c.l., dlvd. lb. .46 - .57½
tanks, dlvd. lb. .45 - .56½
USP, c.p., 95%, dms., c.l., dlvd. lb. .44¾- .53½
l.c.l., dlvd. lb. .45¼- .56
tanks, dlvd. lb. .44¼- .55
yellow, distilled, dms., c.l., dlvd. lb. .44½- .54⅞
l.c.l., dlvd. lb. .45⅛- .55⅝
tanks, dlvd. lb. .43⅝- .54⅝
Glycine USP (see Acid aminoacetic).
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz. 22.50 -23.00
acid-yellow, bots. oz. 20.50 - —
Gold of pleasure seed, bgs. lb. 40 41
Goldenseal root, bls. lb. 3.75 - 4.00
powd., bxs lb. 4.30 - 4.50
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots. oz. 14.50 -15.50

Grains of paradise, bgs. lb. .44 - .55
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, ngs., ctns., ex whse lb. No prices.
No. 2, bgs, whse lb. No prices.
Grease, house, loose, dlvd. lb. .08¾- —
White, choice, loose lb. .12¼- —
Wool (see Degras and Lanolin)
Yellow, loose lb. .09 - —
Green, brilliant, thioflavin, toner, molyhdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20% bbls. same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .34 - .35
6-10%, bbls., same basis lb. .35 - .36
11-15%, bbls., same basis lb. .36 - .37
16-20%, bbls., same basis lb. .36½- .37½
21-25%, bbls., same basis lb. .37½- .38½
26-30%, bbls., same basis lb. .37¾- .38¾
31-35%, bbls., same basis lb. .38¾- .39¾
36-40%, bbls., same basis lb. .40½- .41½
41-45%, bbls., same basis lb. .42 - .43
46-50%, bbls., same basis lb. .24¼- .25¼
50% and over, bbls., same basis lb. .45¾- .46¾

Fluorspar—Gum, Asphaltum

Green, reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19% bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼- —
24-25%, bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31% bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .23¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —
Green, chrome, reduced color, 66-70%, bbls., same basis lb. .28½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld. lb. .95 - 1.05
pure, c.l., bgs., frt. alld. lb. .37½- .44
Dyes (see Dyes, coaltar).
Malachite thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls. works lb. 3.40 - —
Paris (see P)
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald kgs lb 2.60 -
Grindelia robusta herb, bls. lb. .24 - .30
Guaiac resin, NF, cs. lb. .60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls. lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys. lb. 1.90 - 1.95
Carbonate, dms. lb. 2.95 - 3.00
Guarana, powd., cs. lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs. lb. .90 - .95
Arabic, amber, sorts, bgs. lb. .12 - .13¼
powdered, USP, bbls. lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).

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ACID MANDELIC	MAGNESIUM TRISILICATE	SODIUM BROMIDE
BISMUTH SUBCARBONATE	PHENOBARBITAL	SODIUM IODIDE
BISMUTH SUBNITRATE	PHENOBARBITAL SODIUM	SODIUM SALICYLATE
CALCIUM GLUCONATE	POTASSIUM BICARBONATE	SULFANILAMIDE
CALCIUM MANDELATE	POTASSIUM BROMIDE	SULFATHIAZOLE

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Gum, Benzoin—Iron Cacodylate

Gum, benzoin, Sumatra, cs. lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .25 - .26
No. 2, bgs. lb. .20 - .22
No. 3, bgs. lb. .17½- .19½
Manila, toba, B, bgs. lb. No prices.
C, bgs. lb. .28 - .30
CBB, bgs. lb. .26 - .27
CNE, bgs. lb. No prices.
DBB, bgs. lb. .25 - .28
DK, bgs. lb. .18 - .24
dust, bgs. lb. .07½- .09
soft, MA, bgs. lb. .19 - .21
WS, bgs. lb. No prices.
Philippine, pale, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .30 - .32
seeds, bgs. lb. .19 - .21
sorts, bgs. lb. .20 - .22
Pontianak, chips, bgs. lb. .19 - .22
nubs, bgs. lb. .30 - .32
Dammar, Batavia, A/E, bgs. lb. .23 - .25
dust, bgs. lb. .08 - .10
E, bgs. lb. .12½- .14½
East India, batu, bold, bgs. lb. .13½- .14½
nubs and chips, bgs. lb. .07½- .10
bald, bold, bgs. lb. .13½- .14½
unscraped, bgs. lb. .11 - .12
nubs and chips, bgs. lb. .10 - .11
pale, chips, bgs. lb. .14 - .16
nubs, bgs. lb. .23 - .26
Singapore, No. 1, bgs. lb. .34 - .36
No. 2, bgs. lb. .23 - .25
No. 3, bgs. lb. .09½- .11
dust, bgs. lb. .09½- .11
seeds, bgs. lb. .12½- .13½
Elemi, cns. lb. .23 - .24

Gum, ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc. lb. .12 - .12½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls. lb. .49 - .54
No. 2, bbls. lb. .45 - .46
No. 3, bbls. lb. .34 - .35
Kauri, bgs. lb. .31½- .32¾
Locust bean, powd., bgs. lb. .32 - .34
Mastic, cs. lb. 2.25 - 2.50
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .20
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.50 - 3.75
No. 2, cs. lb. 2.30 - 2.55
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .06 - —

Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald. ton. 22.65 - —
Harlem river, N. Y., frt. equald. ton. 28.25 - —
Medicine Lodge, Kan., frt. equald. ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton. 12.50 - —
Blue Rapids, Kans., frt equald. ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 18.00 - —
Saltville, Va., frt equald ton 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex. frt equald ton 12.50 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald. ton. 8.00 - —
Blue Rapids, Kans., frt equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton 8.00 - —

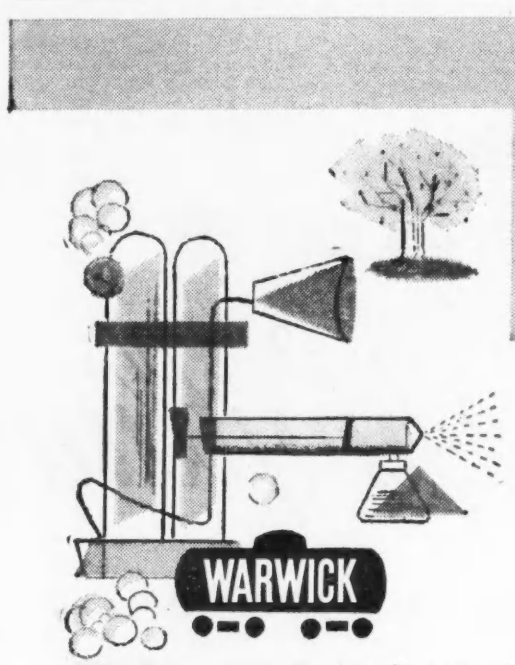
Gypsum, stucco, paper bgs., c.l., National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt equald ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs. lb. .40 - .45
Heliotropin, cryst., cns. lb. 3.10 - 3.20
Hellebore root, dom., green bls lb. .80 - 1.10
imp., black, whole bls lb. .25 - .30
ground, bxs. lb. .30 - .35
powder, bxs. lb. .32 - .37
white, whole, bls. lb. .25 - .30
powder, bxs. lb. .35 - .45
Helonias root, bls. lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, obls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, obls., l.c.l. lb. .40½- —
No. 3, obls., l.c.l. lb. .38½- —
No. 4, bbls., l.c.l. lb. .36½- —
No. 5, obls., l.c.l. lb. .24½- —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, obls., l.c.l. lb. .18 - —
No. 3, obls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, obls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls. lb. .23 - .25
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks, gal. .17 - —
group 3, tanks gal. .12½- .13½
Hesperidine methylchalcone, bots., works lb. 50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l., Perth Amboy or N.Y.C. lb. .23 - —
l.c.l., same basis lb. .25 - —
bbls., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .25½- —
USP, dms., 500 lbs. or more, same basis lb. .39½- —
smaller lots, same basis lb. .40½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .148 - —
Bayonne, N. J., tanks gal. .17 - —
Hexanol, normal, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., 50 lbs. up, frt. alld lb. 17.00 - —
works lb. 15.00 - 17.00
smaller lots, frt. alld lb. 18.00 - —
works lb. 18.00 - 20.00
Histamine diphosphate, USP bots kilo. 375.00 - —
Histidine hydrochloride—laevo, NF, lib dms., 50 kilo lots, works kilo. 100.00 - 120.00
1-5 kilos, works kilo. 110.00 - 130.00
Homatropine hydrobromide, USP bots oz. 15.00 - 16.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, NF, bots oz. 13.00 - 16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago, unit-ton 7.25 - —
Hops, NF, bls. lb .40 - .45
Horehound herb, bls. lb. .15 - .16
Hydrangea root, bls lb .14 - .17
Hydrastine, bots. oz. 31.00 - 37.00
Hydrochloride, NF, bots. oz. 29.50 - 36.00
Sulphate, bots oz. 35.00 - 37.00
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydroturamide, dms. lib. cans, works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .50½- .55½
Peroxide, USP, bbls. lb. .03¾- .05
35% cbys., same basis lb. .24½- .25½
dms., c.l., same basis lb. .21½- —
l.c.l., same basis lb. .22 - .26½
tanks lb. .20¾- —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone photographic, bbls., dms lb. .90 - —
tech dms lb .70 - —
Hydroxycitronellal, cns. lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz. 15.75 - 16.00
Hydrobromide, bots. lb. 16.50 - 18.00
Sulphate, bots oz. 12.50 - 13.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l. lb. .48 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1 bxs., l.c.l. lb. .44 - —
Hyssop herb, bgs. lb. .40 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs. lb. .35 - .40
Ichthammol, NF, dms. lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots. lb. .23 - —
powd., bbls. lb 1.03 - —
Indol, CP, bots. lb. 17.50 - 21.00
Inositol, dms., dlvd lb. 4.90 - —
tins, dlvd. lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP., bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 - —
Idoform, NF, dms., kgs. lb. 4.45 - 4.60
Ionone, alpha, cns. lb. 6.10 - 14.00
beta, cns. lb. 8.65 - 10.00
Ipecac root, bgs. lb. 5.50 - 5.75
powd., bgs. lb. 5.75 - 6.50
Irish moss, bleached, prime, bls. lb. .18 - .20
Iron acetate, liquor, 23° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, chyz. lb. .16 - —
djms. lb. .17 - —
Cacodylate, NF, bots. lb. 13.50 - 14.50



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household specialties
insecticides
dairy cleaners
textile chemicals
laundry specialties
leather specialties
paper specialties

it will pay you to investigate

SULFANOLE* KB

newest of Warwick's
synthetic detergents

You'll value the new, low-cost efficiency of Warwick's latest addition to a line of outstanding synthetic detergents. This all-purpose surface-active agent has already proved itself a better buy in many applications — for these reasons:

1. LOW COST . . .
superior wetting out property makes it possible to use less . . . get same results as similar materials
2. LIGHT COLOR
3. FREE FLOWING
4. NO OBJECTIONABLE ODOR
5. PROFUSE SUDSING . . .
in hard or soft water, acid or alkaline solutions
6. SUPERIOR DETERGENCY
7. PROMPT DELIVERY . . .
assured by large volume production

Tell us your problem—let our technicians suggest the right synthetic detergent for you. Samples, technical data and counsel are free for the asking.

WARWICK CHEMICAL COMPANY, DIVISION
10th Street and 44th Avenue, Long Island City, New York

*Trade Mark Reg.

Iron chloride (ferric), anhydr., tech., dms., c.l., works	100 lbs.	6.75	—
l.c.l., works	100 lbs.	6.50	7.50
cryst., tech., c.l., bbls., works	100 lbs.	5.00	6.00
l.c.l., bbls., works	100 lbs.	5.50	6.00
USP, dms., works	lb.	.07	.08½
solut., 42° Be, 100% basis, tanks, works	100 lbs.	3.45	—
Citrate, gran., dms	lb.	.77	.80
Gluconate, NF, dms	lb.	.83	.93
Glycerophosphate, N.F., powd.	lb.	4.45	4.55
Hypophosphite, NF, dms	lb.	2.80	—
Iodide, bgs	lb.	3.66	3.73
Naphthenate, liq., 6% Fe, dms., frt alld	lb.	.21¼	21¼
Oxalate, gran., dms	lb.	.83	.85
Phosphate, soluble, NF, gran., cs	lb.	.64	.63
Pyrophosphate, soluble, NF VII, gran., dms	lb.	.78	.91
Reduced (see Iron by hydrogen).			
Resinate, 7.4% Fe, dms, frt. alld.	lb.	.24¼	—
Stearate, dms., c.l.	lb.	.39	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate, partially hydrated, bgs., c.l., works	ton	28.50	—
l.c.l., works	ton	29.50	—
ferrous, tech. (see Copperas)			
USP, cryst, bbls., dms	lb.	.09½	.10
Iron by hydrogen, kgs	lb.	.80	.83
Iron-ammonium citrate, green, NF, gran., dms	lb.	.55	.58
brown, USP, gran., dms	lb.	.55	.58
Oxalate, dms	lb.	.25½	.28¼
Iron-potassium oxalate, fine gran., dms	lb.	.30½	.33½
Iron-sodium oxalate, fine gran., dms	lb.	.25½	.28½
Isoborneol, cns.	lb.	.84	.95
Isobornyl acetate, cns	lb.	.77	.97
Isobutyl acetate, cns	lb.	.72	1.25
Methacrylate, dms., works	lb.	.60	—
Propionate, cns	lb.	No prices.	
Isobutyraldehyde, dms., works	lb.	.50	53
Isoeugenol, cns	lb.	3.50	3.53
Isopentane, dms., works	lb.	45	.55
Isophorone, dms., c.l., works	lb.	.24¼	—
l.c.l., works	lb.	.24¾	—
tanks, works	lb.	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld.	lb.	.11¾	.12¾
l.c.l., same basis	lb.	.12½	.13½
tanks, same basis	lb.	.10	.11
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene)			
Ether (see Ether, isopropyl).			
Isopropylamine (see Monoisopropylamine).			
Isoquinoline, dms., c.l., works	lb.	.20	—
l.c.l., works	lb.	40	—

J

Jaborandi leaves, bls	lb.	.15	.20
Jalap root, NF, bls	lb.	43	.45
powd., bbls, bxs	lb	.48	.50
Juniper berries, bgs	lb.	.12	.15
Juniper berries, bgs	lb.	.10	.15
Tar, dms.	lb.	.40	.65

K

Kamala, powd., cns	lb.	.70	.80
Kaolin (see China clay).			
Kava kava root, bls	lb.	.25	.30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks	gal.	.09	—
Bayonne, 41-43 s.g., w.w., tanks	gal.	.096	—
California, 40-43 s.g., w.w., tanks	gal.	.116	.122
Gulf ports, 41-43 s.g., w.w., tanks	gal.	.0875-	.0925
Okla.-Tex. 41-43 s.g. w.w. tanks	gal.	.08875-	.0925
Penn., Western, 45 s.g., w.w., tanks	gal.	.10	.105
Kola nuts, bgs	lb.	.09	.10
Kyanite, imp., low iron content, 10-mesh whse	ton	85.00	95.00
calcined, grain, 10-mesh, whse	ton	95.00	105.00

L

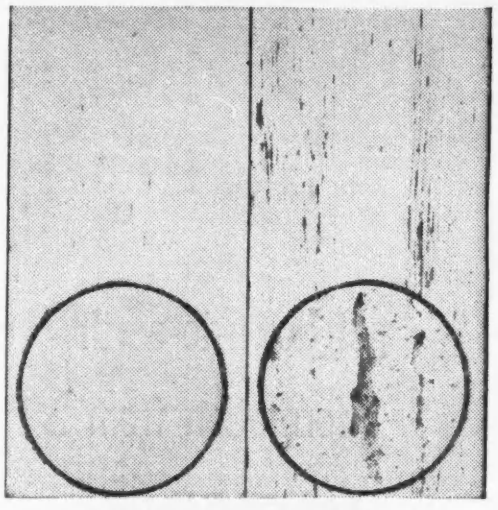
Lady slipper root, bls.	lb.	1.45	1.50
Lanolin, anhyd., cosmetic, dms., works	lb.	.32	.34
pharmaceutical, USP, dms., works	lb.	.28	.31
hydrous	lb.	.27	.29
Lard, cash, trcs., Chicago	lb.	.12⅞	Nom.
Larkspur seed, bgs	lb.	.20	.25
Laurel berries, bls	lb.	.25	.26
Leaves, Greek, bls.	lb.	.08	.08½
Turkish, bls.	lb.	.12	.12½
Yugoslavian, bls.	lb.	.08½	.09
Lauryl chloride, dms., works, frt. equald	lb.	.711	—
Methacrylate, normal, dms., less than truckload, works	lb.	1.00	—
Lavender flowers, medium, bls	lb.	.55	.60
ordinary, bls.	lb.	.16	.20
select, bls	lb.	.60	.65
Lead acetate, white, crystals, bbls.,	lb.	.21	—
gran., bbls.	lb.	.22	—
powd., bbls.	lb.	.22	—
USP, cryst., dms.	lb.	.26	—
gran., powd., dms.	lb.	.27	—
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 99 lbs. or over	lb.	.28	—
l.c.l., frt. alld.	lb.	.29	.30
1-lb. bgs., c.l.	lb.	.41	—
l.c.l.	lb.	.42	.43
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.16¾	—
l.c.l., works	lb.	.17¾	—
Carbonate (see Lead, white).			
Chloride, dms.	lb.	.29	—
Iodide, NF V, jars	lb.	3.30	—
Linoleate, precip., 26.15%, dms.,	lb.	.34	—
Metal, pigs, prime, N. Y.	lb.	.16	—
St. Louis	lb.	.1580-	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.32½	—
10,000-20,000 lbs., same basis.	lb.	.33	—
2,000-10,000 lbs., same basis.	lb.	.33½	—
200 to 2,000 lbs., same basis.	lb.	.34	—
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.			
Naphthenate, liquid, 16% Pb, dms., dlvd.	lb.	.15¼	.16¼
24% Pb, dms., dlvd	lb.	.20¾	.22
37% Pb, dms., dlvd	lb.	.27¼	.28¾
Nitrate, bbls., c.l.	lb.	.20	—
l.c.l.	lb.	.20¼	—
Oleate, tused, bbls	lb.	.24	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.31¾	—
60% PbO, dms., works	lb.	.30¼	—
Peroxide, powd., tech., bbls	lb.	.40	.41
Phthalate, dibasic, dms., works.	lb.	.40½	—
Lead, red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld.	lb.	.18¾	—
l.c.l., same basis	lb.	.19¾	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.19	—
l.c.l., same basis	lb.	.20	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.19¼	—
l.c.l., same basis	lb.	.20¼	—
Resinate, precip., dms., dlvd	lb.	.27	—
Salicylate, normal, dms., works.	lb.	.43½	—
Silicate, bgs., l.c.l., ship't pt., frt. alld.	lb.	.1805-	.1875
Stearate, dibasic, dms., works.	lb.	.53	—
precip., bbls., c.l.	lb.	.39	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate (see Lead, blue; Lead, white, basic sulphate)			
tribasic, dms., works	lb.	.27½	—
Tallate, liquid, 16% Pb, dms.	lb.	.13½	.14½
24% Pb, dms	lb.	.17¾	.19
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.17¾	—
l.c.l., same basis	lb.	.18¾	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.15¾	.20¼
l.c.l., same basis	lb.	.16¾	.21¼
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.16¾	—
l.c.l., same basis	lb.	.17¾	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
unbleached, c.l., same basis	lb.	.15½	—
l.c.l., same basis	lb.	.16½	—
Lemon peel, bls	lb.	.18	.20
Leucine dextro-laevo, dms., works.	lb.	12.25	15.00
Licorice extract, mass, cns	lb.	.40	.45
powd., bbls	lb.	.55	—
Root, bls	lb.	.08	.09
5-lb. bundles, cs	lb.	.40	.45
powd., bbls	lb.	.11	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼	.06½
Lime, agricultural, bgs., works	ton	13.00	13.50
Chemical, quicklime, lump pebble, bulk, Adams, Mass.	ton	10.00	—
Annville, Pa	ton	10.50	—
Bellefonte, Pa	ton	10.50	—
Buffalo, N. Y.	ton	10.00	—
Carey, Ohio	ton	7.00	—
Cedar Hollow, Pa.	ton	10.50	—
Farnams, Mass	ton	14.00	—
Gibsonburg, Ohio	ton	8.50	—
Hannibal, Mo	ton	7.50	—
Keystone, Ala	ton	9.75	—
Knoxville, Tenn.	ton	9.75	—
Limedale, Ark	ton	9.00	—
Longview, Ala.	ton	9.75	—
Martinsburg, W. Va	ton	10.00	—
Menominee, Mich	ton	8.00	—
Mitchell, Ind.	ton	7.50	—
Rockland, Maine	ton	9.00	—
Scioto, Ohio	ton	7.50	—
Sherwood, Tenn.	ton	10.00	—
Sherwood, Wis	ton	8.50	—
Woodville, Ohio	ton	9.50	—
York, Pa	ton	10.50	—
Hydrated, paper bgs., Adams, Mass	ton	11.50	—
Annville, Pa	ton	13.50	—
Bellefonte, Pa	ton	13.50	—
Buffalo, N. Y.	ton	13.50	—
Carey, Ohio	ton	9.00	—
Cedar Hollow, Pa.	ton	13.50	—
Engle, W. Va.	ton	13.00	—
Farnams, Mass.	ton	14.00	—
Lime, hydrated, Gibsonburg, Ohio	ton	9.50	—
Hannibal, Mo.	ton	9.50	—
Keystone, Ala	ton	13.00	—
Knoxville, Tenn.	ton	12.25	—
Limedale, Ark	ton	13.00	—
Longview, Ala	ton	13.00	—
Manistique, Mich	ton	6.50	—
Marblehead, Ohio	ton	10.50	—
Mitchell, Ind.	ton	10.00	—
Petoskey, Mich.	ton	10.00	—
Port Island, Mich	ton	9.00	—
Rapid City, S. Dak.	ton	12.00	—
Rockland, Maine	ton	9.00	—
Scioto, Ohio	ton	9.00	—
Sherwood, Tenn.	ton	13.00	—
Sherwood, Wis	ton	10.00	—
Springfield, Mo.	ton	9.00	—
Woodville, Ohio	ton	8.50	—
York, Pa	ton	13.50	—
Spray, paper bgs., Adams, Mass.	ton	11.70	—
Annville, Pa	ton	13.50	—
Bellefonte, Pa	ton	13.50	—
Carey, Ohio	ton	11.00	—
Engle, W. Va	ton	13.00	—
Farnams, Mass.	ton	14.00	—
Gibsonburg, Ohio	ton	10.00	—
Marblehead, Ohio	ton	10.00	—
Rockland, Me	ton	10.00	—
Scioto, Ohio	ton	10.00	—
Woodville, Ohio	ton	10.00	—
York, Pa	ton	13.50	—
Lime salts (see Calcium)			
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone)			
Limestone, grd., bgs., works	ton	3.50	4.00

"lead" stabilizes a paint film

—that's one of the reasons house paints containing "lead" show longer life

As a paint film weathers, oxidation of the vehicle takes place. Short chain acidic compounds, such as formic, hydroxy-acetic and propionic acids, are set free. The illustration below typifies the way in which basic lead pigments react with various organic acid decomposition products. If left uncontrolled, these decomposition products of the organic oil base liquefy or soften the film and it disintegrates.

Chemically reactive white lead pigments slowly neutralize these decomposition products by the formation of stable, insoluble lead salts, which are also pigments, and further decomposition is arrested. It is this reaction which stabilizes the paint film and materially increases its life under exposure to weather.

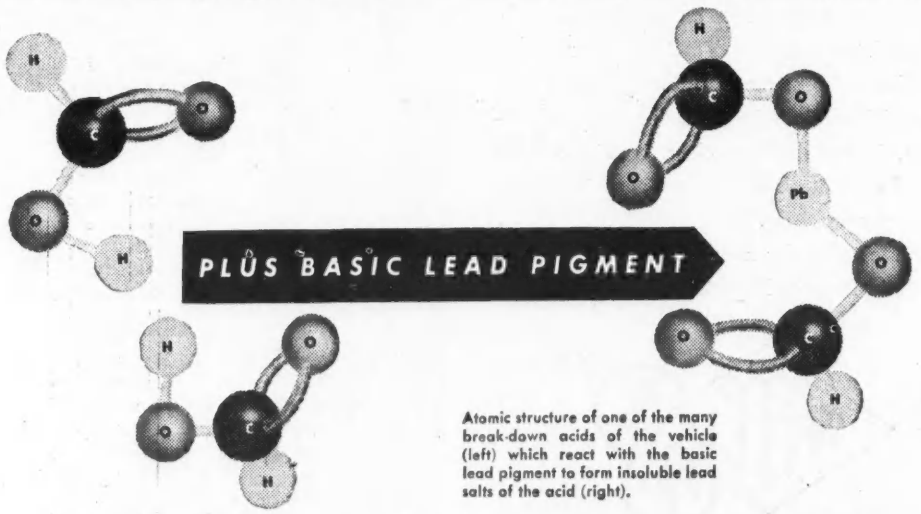


30 MONTH EXPOSURE TEST IN FLORIDA

Paint properly stabilized with lead pigment. Paint not stabilized with lead pigment.

Use "lead" in your paints. And use enough of it to take full advantage of the many desirable qualities that white lead pigments impart—qualities which mean better paints, greater consumer satisfaction and larger sales.

For detailed information on the most effective use of "lead" in your paints . . . write to *Lead Industries Association, 420 Lexington Avenue, New York 17.*



Atomic structure of one of the many break-down acids of the vehicle (left) which react with the basic lead pigment to form insoluble lead salts of the acid (right).

"LEAD" LENGTHENS THE LIFE OF PAINT BECAUSE:

It Stabilizes — neutralizes acidic compounds resulting from the decomposition of the vehicle — prevents the film from becoming soft or liquefying.

It Plasticizes — forms lead soaps which increase film flexibility.

It Strengthens — flexible, spiney crystals in lead soaps mechanically reinforce the film and increase elastic strength.

It Resists Water — paint films with an optimum lead pigment content absorb only a small fraction as much water as they otherwise would.

57 0688

Linalool—Methyl Acetone

Linalool, ex bois de rose, cns....lb. 5.50 - 5.75
ex lignaloe wood, cns.....lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots...lb. 5.50 - 6.00
96-98%, bots.....lb 6.35 - 7.25
ex petitgrain bots.....lb 4.25 6 00
Lindane, 25%, cns., works....lb. 3.00 - 3.05
dms works..lb 2.95 - —
Linden flowers with leaves, bls lb. .23 - .28
without leaves bls lb .22 - .28
Linseed meal, expeller, 34% bulk,
Midwest mills..ton.56.00 -57.00
extracted, 34%, same basis...ton.55.00 -56.00
Litharge, com'l, powd. bbls, c.l.,
ship't point, frt. alld..lb. .17¾- —
l.c.l., same basis.....lb. .18¾- —
Lithium benzoate, dms.....lb 1.67 - —
Bromide, NF, bbls., works, frt.
equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs....lb. 1.05 - 1.15
Chloride, cryst., dms.....lb. .93 - —
Citrate, NF, bbls., dms., kgs.,
lb. 1.05 - 1.40
Fluoride, bbls.....lb. 1.80 - 2.00
Hydride, dms., works.....lb.14.00 -18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms.....lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l. dlvd.
lb. .07 - —
l.c.l., dlvd.....lb. .07¾- .08
Titanated (high-strength), bgs.,
c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .10 - —
Lithopone prices, Pacific Coast,
1c. per lb. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .55 - .56
leaves, NF.....lb. .80 - .85
Lobeline sulphate, bots., works oz.34.00 -38.00

Logwood extract, crystals, No. 1,
bbls., l.c.l.....lb. .38½- —
No. 2, bbls., l.c.l.....lb. .36½- —
liquid, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs., l.c.l.....lb. .33 - —
No. 2, bxs., l.c.l.....lb. .31 - —
No. 3, bxs., l.c.l.....lb. .28½- —
No. 4, bxs., l.c.l.....lb. .28 - —
No. 5, bxs., l.c.l.....lb. .26½- —
No. 6, bxs., l.c.l.....lb. 44½- 49¼
Lovage root, imported, bls.....lb. .75 - .80
Lupulin, tins.....lb 1.95 2.00
Lycopodium, cs.....lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo
bots..kilo.145.00 -149.00

M

Mace, Amboyna, bls.....lb. No prices.
Banda, No. 1, bls., afloat.....lb. 2.00 - 2.05
Siauw, No. 1, bls, afloat.....lb. 1.60 - 1.65
West Indian, bls.....lb. 1.45 - 1.50
broken, bls.....lb. 1.35 - 1.40
Madder, Dutch, bgs.....lb .29 - .32
Magnesia, calcined, tech., ctns.,
works..lb. .32 - .34¾
synth., rubber grade, ctns.,
works..lb. .31 - —
USP, light ctns.....lb. .34 - —
heavy, bbls.....lb. .36 - —
Magnesium arsenate, bgs., cans,
works..lb. .20 - .30
Bromide, jars.....lb. .90 - 1.00

Magnesium carbonate, tech., bgs.,
c.l., frt. equald.....lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
bbls., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
kgs., c.l., frt. equald.....lb. .12 - —
l.c.l., frt. alld.....lb. .13 - —
USP, bgs., c.l., frt. equald..lb. .11¼- —
l.c.l., frt. alld.....lb. .12¼- —
bbls., c.l., frt. equald.....lb. .11¾- —
l.c.l., frt. alld.....lb. .12¾- —
kgs., c.l., frt. equald.....lb. .13 - —
l.c.l., frt. alld.....lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., dms., works,
lb. .12¼- —
flake, bbls., c.l., works.....ton.45.00 - —
l.c.l., works.....ton.49.00 -51.00
Gluconate, dms., cns.....lb. 1.88 - 1.93
Glycerophosphate, dms., works.lb. 5.10 - 5.20
Hydroxide, NF, medicinal, bbls.,
dms., kgs lb. .29 - .30
Hypophosphite, dms.....lb. 1.60 - —
Laurate, bbls.....lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .22¼- —
sticks, cs., works, frt. alld.
on carlots..lb. .39 - —
Oleate, fused, bbls.....lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works...lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works.....lb. .09 - .10
Stearate, ctns., c.l.....lb. .40 - —
smaller lots.....lb. .41 - .42
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb.
lots lb. .43 - —
100-lb. lots.....lb. .50 - —

Magnesite, chemical grade, bgs.,
c.l., mines, Calif.....ton.67.50 - —
dead-burnt, bulk, c.l., standard
grain, Chewalah, Wash...ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd.,
lb. .30 - .35
l.c.l., dlvd.....lb. .31 - .36
Prices on maleic anhydride
West of Rockies 1½c. higher.
Malva flowers, black, bls.....lb. 1.00 - 1.25
Blue, bls.....lb. .95 - 1.10
Leaves, bls.....lb. .38 - .40
Mandrake root, bls.....lb. .40 - .43
Manganese acetate, bbls.....lb. .32 - —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .23 - —
Carbonate, bbls., works.....lb. .21 - —
Chloride, anhyd., dms. works lb. .20 - .22
Dioxide, African, battery, 84-87%,
bgs., 100 tons, works...ton.78.00 - —
smaller lots, works..ton.84.00 -94.00
Gluconate, dms., cns.....lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms.lb. 4.25 - 4.45
Hydrate, bbls., works.....lb. .34 - —
Hypophosphite, NF, dms.....lb. 2.60 - —
Linoleate, liquid, 4.35% Mn., dms.,
bgs., 100 tons, works...lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd, East.....lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms.,
frt. alld..lb. .22¾- .23½
Oleate, precip., bbls.....lb. .33½- —
Resinate, fused, 3½% Mn., dms.,
lb. .20½- —
precip., dms.....lz. .22½- —
Stearate, ctns., c.l.....lb. .40 - —
smaller lots.....lb. .41 - .42
Sulphate, fertilizer grade, 65%,
bgs., c.l., dlvd, S. E...ton.66.00 - —
l.c.l., dlvd, S. E...ton.73.00 - —
feed grade, 80%, bgs., dlvd.,
S. E lb. 05¼- .07
75%, bgs., c.l., dlvd, S. E...ton.76.00 - —
l.c.l., dlvd, S. E.....ton.83.00 - —
Tallate, 6%, dms.....lb. .20¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock...ton. No stocks.
So. American, 30-32% tannin,
c.l., ex dock..ton.52.50 -53.00
Manna, flake, large, cs.....lb. 1.10 - 1.35
small, cs.....lb. .85 - 1.00
Mannitol, com'l, dms., works.....lb .40 - .43
reagent, 50-lb. dms., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. No stocks.
Bohemian, bls.....lb. .40 - .41
Chilean, bls.....lb. .37 - .38
French, bls., afloat.....lb. .45 Nom.
Peruvian, bls.....lb. .34 - .42
Matico leaves, bls.....lb. .25 - .33
Melamine, bgs., ton lots, works..lb. .33 - —
500 lbs. or more, works.....lb. .33½- —
less 500 lbs., works.....lb. .33½- —
Menadione, USP, bots.....gram .06½- —
Menthol, natural, USP, bots.....lb.13.00 -13.10
synthetic, USP, racemic, cns...lb 7.25 Nom.
Menthyl salicylate, tins.....lb 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib.
dms., ton lots, works, frt.
alld..lb. .34 - —
less ton lots, same basis..lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works,
frt. alld..lb. .42 - —
less ton lots, same basis..lb. .44 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms.....lb. 2.13 - 2.15
Chloride (see Calomel)
Iodide, red, NF, fib., dms.....lb. 4.07 - —
dms.....lb. 3.27 - 3.32
Iodide, red, NF, dms.....lb. 4.07 - —
yellow, NF, fib. dms.....lb. 4.22 - —
Metal (see Quicksilver)
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide)
USP, fib. dms.....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd..lb. .13¼- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .11½- —
Metaldehyde, dms., works.....lb. .78 - 1.00
Metachloranilin, dms., works....lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .65 - —
l.c.l., works.....lb. .66 - —
Metanitroanilin, dms., frt. alld....lb. .97 - —
Metaparaisopropylphenol, dms., c.l.,
lb. .21 - —
l.c.l.....lb. .22 - —
tanks.....lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.44 - —
Metaphenylenediamine, kgs., frt. alld.
lb. .84 - —
Metatoluidine, bbls., c.l., works, frt.
alld..lb. .73 - —
l.c.l., same basis.....lb. .80 - —
tankcars, same basis.....lb. .76 - —
Metatolylenediamine, kgs., frt. alld.
lb. .80 - —
Methanol, natural, denaturing grade,
dms., c.l., frt. alld..gal. .68 - —
l.c.l., frt. alld.....gal. .79 - —
tanks, frt. alld.....gal. .60 - —
Prices on natural methanol W. of Miss. 3c. higher.
Synthetic, zone 1, dms., c.l., frt.
alld..gal. .41 - —
l.c.l., frt. alld.....gal. .46 - —
tanks, frt. alld.....gal. .29 - —
zone 2, dms., c.l., frt. alld..gal. .46½- —
l.c.l., ex whse.....gal. .51 - —
tanks, frt. alld.....gal. .32½- —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms.,
frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, fib., dms.,
same basis..lb. 3.00 - —
97½, fib., dms., same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers,
dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l.,
dlvd., zone 1..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
hydrogenated, non-ret. dms., c.l.,
dlvd., zone 1..lb. .17¼- —
l.c.l., same basis.....lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetoacetate, dms., c.l., dlvd..lb. .53 - —
l.c.l., dlvd.....lb. .54 - —
tanks, dlvd.....lb. .51½- —
Methyl acetoacetate prices frt. alld. W. ½c. higher.
Acetone, natural, group A, dms.,
extra, c.l., E. of Miss.,
frt. alld..lb. .60 - —
l.c.l., same basis.....gal. .71 - —
Natural methyl acetone group A prices W. of Miss. 3c per gal. higher.
Group B, dms., incl., E. Miss.,
frt. alld., any quantity..gal. .50 - —
synthetic, dms., c.l., works, frt.
alld. E..gal. .62 - —
l.c.l., works, frt. alld. E.
gal. .67 - —
tanks, works, frt. alld. E..gal. .50 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

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- Calcium Naphthenate
- Manganese Naphthenate
- Zinc Naphthenate
- Iron Naphthenate
- Lead Octoate
- Cobalt Octoate
- Calcium Octoate
- Manganese Octoate
- Zinc Octoate

Lead Resinate
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Manganese Oleate
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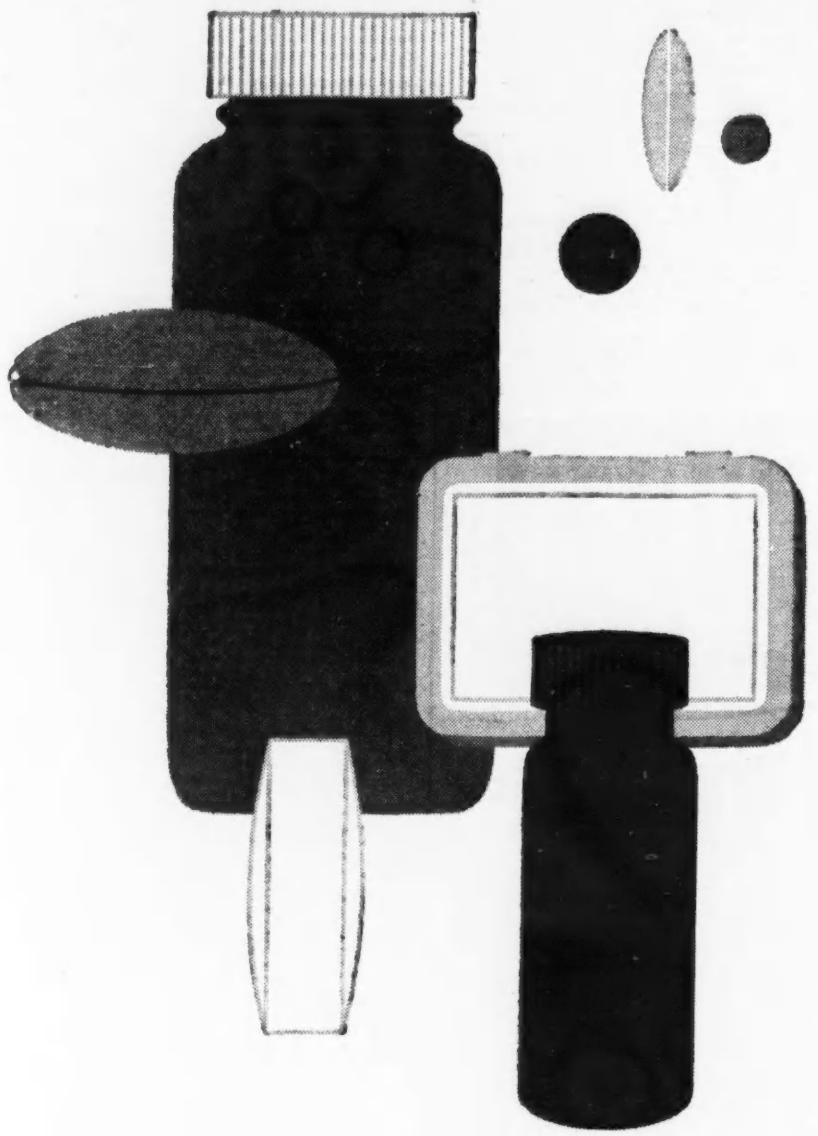

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Methyl Acrylate—Nikethamide

Methyl acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.25 - 2.30
extra cns. lb. 4.00 - 4.40
Benzoate, cns. lb. .55 - 1.20
Bromide, dealers, cns. lb. .69 - .71
cyls. lb. .60 .78
Chloride, indust., cyl., works lb. .18 - .18½
tanks, multi-unit, works lb. .13½- .14
single-unit, works lb. .11 - .11½
refrigerator mfrs. cyls., dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns. lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Formate, refd., dms. lb. .35 - .40
tech., non-ref. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.65 - 4.78
chys., works lb. 2.80 - 3.00
Lactate, dms., c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib dms. lb. 1.90 - 2.00
Roseanilin chloride, USP, bot: lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .45 - —
cans, 50 lbs lb. .50 - —
Testosterone, USP, 100 gms. gm. 3.50 - —

Methylheptin carbonate, bots. lb. 35.00 - 40.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .87
Standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - —
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride indust. dms., c.l., dlvd. E. lb. .12 -
l.c.l., dlvd. E. lb. .13½- —
tanks, dlvd. E. lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd, lb. .11¾- —
l.c.l., dlvd lb. .12½- —
tanks, dlvd lb. .10 - —
Methylionone, A, cns lb 6.55 - 8.80
D, cns lb 7.50 - 9.35
prime, cns. lb. 4.55 - 6.40

Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
Methylnapthyl ketone, cns. lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.51 - —
less than 250 lbs., dms., dlvd. lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, ogs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse., or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher

Milk powder, skimmed, roller, bbls., c.l lb. .10½- .10⅝
spray, bbls., c.l. lb. .12¼- .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate).
Molybdenum metal, 99% Mo., powd., kgs lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., or dlvd. lb. .09½- —
l.c.l., same basis lb. .10½- —
tanks, same basis lb. .08 - —
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms. c.l., frt. alld. E. lb. .28¾- —
l.c.l., same basis lb. .29¾- —
tanks, same basis lb. .27 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾- —
l.c.l., same basis lb. .22¾- —
tanks, same basis lb. .20 - —
Monoethylorthotoluidine, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E. lb. .26¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24¼- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%. lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic)
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.40 - 12.60
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.85 - 9.90
Hydrochloride, NF, crs. oz. 9.90 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½- —
l.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs. lb. .65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 - —
25 lbs., cns. lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms. lb. 4.95 - —
25 lbs., cns. lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms. lb. 1.40 - —
25 lbs., cns. lb. 1.45 - —
5 lbs., cns. lb. 1.55 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .0935- .0950
Dutch yellow, bgs., futures lb. .14 - .14¼
English, yellow, bgs lb. .15 - .15⅛
Montana, brown, Sept.-Oct., bgs., source lb. No prices.
Oriental, Sept.-Oct., bgs., source lb. No prices.
yellow, Sept.-Oct., bgs., source lb. No prices.
Washington, yellow, source, bgs. lb. No prices.
Myrobalans, J1, assorted, bgs., ex dock ton. 46.00 - 48.00
crushed, bgs., ex dock ton. 72.00 - —
J2, bgs., ex dock ton. 38.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld. lb. .0525- —
78°, dms., c.l., same basis lb. .0665- —
l.c.l., same basis lb. .0560- —
tanks, same basis lb. .0575- —
refined, industrial, bbls., c.l., frt. equald lb. .10¼- —
bgs., c.l., same basis lb. .09¾- —
tanks, same basis lb. .09¼- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .13 - —
cs., 50 lbs., c.l., same basis lb. .13¼- —
1-lb. pkgs., c.l., same basis lb. .13½- —
Imported, crude, 78°, 100-ton lots lb. .04½- .04¾
refined, 30,000-lb. lots lb. .10½- —
smaller lots lb. .11 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.25 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .57 - .57½
Carbonate, bbls., dlvd. lb. .60½- .61
Chloride, bbls., dlvd. lb. .31 - —
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .54¾- —
Metal, electro cathodes, cs. lb. .48 - —
Nitrate, bbls., works lb. .29¾- —
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd. lb. .23½- —
l.c.l., dlvd. lb. .24 - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt. adjusted kilo 10.50 - 10.60
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm. 49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin. 10.45 - —
Nikethamide, bots., cbys. lb. 5.60 - 5.75

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Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 3/4, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .29 - —
l.c.l., same basis lb. .30 - .32
18-25 cps., c.l. lb. .31 - —
l.c.l., same basis lb. .32 - .34
250-400, 600-1,000 secs., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - .38
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .38 - —
l.c.l., same basis lb. .39 - .41
5-6, 40-60 secs., c.l., same basis lb. .37 - —
l.c.l., same basis lb. .38 - .40
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable
Nitroethane, dms., divd., E. of Rockies lb. .25 - —
Nitrogen solution tanks works, N. ton. 115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't unit-ton. 3.90 4.00
Sewage sludge bulk works unit ton. 3.25 + 40
Nitromethane, dms., l.c.l., divd, E. of Rockies lb. .25 - —
Nitropropane, 1, dms., divd., E. of Rockies lb. .23½- —
2, dms., divd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .27½- —
Nugalis, Aleppo, bgs lb. .38 - —
Chinese bgs lb. .32 - —
Istrian bgs lb. .31 - —
Nutmeg, East Indian, whole, 110's, cs. lb. .70 - .71
shipment, cs. lb. .70 - .71
West Indian, bgs lb. .52 - .53
futures, bgs lb. .53 - .54
Nux vomica nis. lb .10 .12
powdered, bbls, bxs lb 13 .14

O

Oakbark extract, 25% tannin, bbls., c.l. works lb. No stocks
Octane 100° 140° C. industrial grade, group 3, dms., c.l gal. .19 —
l.c.l gal. .21 .60
tanks gal. 15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .17 - —
Octanol, normal tech., dms., c.l., divd lb. .34½ —
l.c.l. divd lb. .36½- —
tanks, divd lb. .32 - —
Octyl methacryiate, normal, dms., less than truckload, works lb .83 —
Oil, abies siberica, ens. lb. 3.60 - 4.00
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.50 - 5.00
NF, bots lb. 3.00 - 3.75
sweet, dms., cns lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.60 - 2.00
Angelica root, bots. lb. 125.00 -155.00
seed, bots. lb. 95.00 -130.00
Anum (see A)
Anise, USP, Chinese, dms. lb. 1.35 - 1.65
Apricot kernels, USP, dms. lb. .44 - .60
Avocado, cns., dms lb. 1.00 1.10
Babassu, crude, tankcars lb. .19½- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.25 - 1.50
55-60%, cns. lb. 1.35 - 1.60
West Indian, 50-55%, cns., dms lb. 1.07 - 1.55
Bergamot, artif., cns. lb. 3.75 - 5.25
natural NF, Italian, cns. lb. 6.25 - 6.70
Birchtar, crude, cns. lb. 1.50 - —
rectified, NF, cns. lb. 4.60 - —
Bois de rose, Brazil, dms. lb. 3.70 - 3.95
Mexican (see Oil, linaloe wood)
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms. lb. 1.85 - 1.95
redistilled, USP, cns. lb. 2.35 - 4.50
Calamus cns. lb. 20.00 -28.00
Camphor, sassafrassy, dms. lb. .24 - .60
white, dms. lb. .22 - .60
Cananga, native, cns. lb. 4.50 - 5.25
rectified, cns. lb. 5.35 - 6.25
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns. lb. 3.65 - 4.20
Cardamom, NF, bots. lb. 60.00 -68.00
Cassia, USP, cns., dms. lb. 4.10 - 5.50
Castor, blown, dms., c.l. lb. .2625- —
dms., l.c.l lb. .2670- —
dehydrated, bodied, dms., c.l. lb. .28 - —
l.c.l. lb. .2875- —
tanks lb. .2675- —
unbodied, dms., c.l. lb. .2700- —
l.c.l. lb. .2750- —
tanks lb. .2575- —
hydrogenated, dms., l.c.l. lb. .3125- —
No. 3, tech., dms., c.l. lb. .24 - —
l.c.l. lb. .2450- —
tanks lb. .2275- —
No. 1, Brazilian, tanks lb. .22½ Nom.
standard, dms., c.l. lb. .2425- —
l.c.l. lb. .2475- —
tanks lb. .23 - —
refined and deodorized, dms., c.l. lb. .2550- —
l.c.l. lb. .2625- —
sulphonated, 50% (48% fat), dms. lb. .13½- .14
75% (60-62% fat), dms. lb. .18½- .19
Cedarleaf, USP, cns., dms. lb. 2.30 - 2.50
Cedarwood, cns. lb. .40 - .60
dms. lb. .35 - .45
Celeryseed, bots. lb. 14.00 -17.50
Chamomile, blue, Hungarian, bots. lb. 250.00 -280.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb. 30.00 -60.00
Leaf, Ceylon lb. 1.30 - 1.50
Citronella, Ceylon, cns., dms. lb. 1.40 - 1.85
Java, true, cns. lb. 2.00 - 2.65
Java, type, cns. lb. 2.00 - 2.45
Clove, USP, from buds, cns., dms. lb. 1.95 - 2.45
Coconut, crude tanks, Atlantic ports lb. .17¼- —
Pac. Coast lb. .15¾- —
refined, Cocoa type, tax incl., dms., l.c.l lb. .25½- —
deodorized, tax incl., dms., l.c.l. lb. .27½- —
Cod, Newfoundland, dms lb. .10 Nom.
Codliver, USP, dms gal. 1.55 - 1.65
Coriander, USP, bots lb. 23.50 -30.00
Corn, crude, tanks, works lb. .16½- —
foots, acid 95% tanks divd. E lb. .07⅝- —
raw, 50%, tanks, divd., E lb. .03 - —
refined, dms., l.c.l., New York lb. .22½- —
tanks, same basis lb. .20½- —
Costus, roots oz. 25.00 - —
Cottonseed, crude tanks, Southeast and Valley lb. .16¼- .16½
foots, acid 95% tanks divd. E lb. .06¼- —
raw, 50%, tanks, divd. E lb. .03 - —
refined, dms., l.c.l. lb. .22¾- —
tankcars lb. .20¾- —

Oil, creosote (see Crotonic, coaltar).
Croton, cns. lb. 4.75 - 5.50
Crude (see Petroleum, crude)
Cubeb, cns. lb. 5.75 - 7.50
Cumin, bots. lb. 4.50 - —
Cypress, bots. lb. No stocks.
Degras (see D).
Dillseed, India, bots lb. 6.35 - 7.75
Dillweed, domestic, bots., dms. lb. 4.90 - 5.50
Dip (see D).
Erigeron, cns. lb. 5.25 - 7.50
Eucalyptus, rectified, 80-85%, dms. lb. .85 - 1.25
70-75%, dms. lb. .70 - .88
Fennel, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns. lb. 1.85 - 2.25
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units per gm., dms., 1,000,000 units. .11 - .11½
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units, dms. 1,000,000 units. .11 - .12
40,000 to 55,000 A units, dms. 1,000,000 units. .12 - .13
Market prices on crude fishliver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms. 1,000,000 units. .15 - —
200,000 A units, dms. 1,000,000 units. .16 - —
300,000 A units, dms. 1,000,000 units. .16 - —
400,000 A units, dms. 1,000,000 units. .17 - —
500,000 A units, dms. 1,000,000 units. .17 - —
700,000 A units, dms. 1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion. E x 1894.

Oil, fishliver, prime, nat. or conc., 100,000 A units, dms. 1,000,000 units. .16 - —
200,000 A units, dms. 1,000,000 units. .17 - —
300,000 A units, dms. 1,000,000 units. .17 - —
400,000 A units, dms. 1,000,000 units. .18 - —
500,000 A units, dms. 1,000,000 units. .18 - —
700,000 A units, dms. 1,000,000 units. .18 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F)
Garlic, pure, bots oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 26.00 -30.00
Bourbon, cns. lb. 29.50 -35.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots. lb. 23.00 -24.00
Grapefruit, dist., bots. lb. 1.00 - 1.75
Grease, No. 1, dms. lb. .17½- .18½
extra, Winter, strained, dms lb. .21½- .22½
prime, burning, dms. lb. .23 - .24
Guaiacwood, cns. lb. 1.65 - 1.90
Hemlock, cns. lb. 2.00 - 2.25
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry NF VIII, bots lb. 2.50 - 4.00
twice rectified, bots. lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).

Oil, laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 2.55 - 3.00
Lavender flower, French, 30-32% ester, cns. lb. 3.00 - 4.00
38-42% ester, cns. lb. 5.40 - 5.75
40-42% ester, cns. lb. 5.60 - 6.25
Spike, Spanish, cns lb. 1.50 - 1.70
Lemon, USP, Calif., cns., dms lb. 4.00 - 4.25
Messina, cns. lb. 3.85 - 7.50
terpeneless, bots lb 32.00 -65.00
Lemongrass, cns., dms. lb. 2.50 - 3.25
Lignaloe wood, Mexican, cns. lb. 3.80 - 4.05
Lime, distilled, Mexican, cns. lb. 6.25 - 7.00
West Indian, cns lb. 6.35 - 7.25
expressed, West Indian, cns lb. 7.25 -13.75
terpeneless bot lb 45.00 -65.00
Linseed, raw, dms, c.l., Zone 3. lb. .1750- —
l.c.l. lb. .1810- .1850
tankcars lb. .1630- —
tankwagon lb. .1660- —
Boiled linseed oil 007 higher than raw
Mace, dist., cns., dms. lb. 3.50 - 4.90
Menhaden, crude, tanks, Balto lb. .10½ Nom.
Italian, cns. lb. 5.50 - 8.50
Menhaden, crude, tanks, Balto lb. .12½ Nom.
refined, alkali, dms. lb. .1880- —
kettle-bodied, dms. lb. .1980- —
light-pressed, dms. lb. .1780- —
tanks lb. .16 - —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene)
Mustard seed, expressed, dms lb. .22½- .23¼
synthetic, cns., dms lb. 1.40 1.70
Neatsfoot, 15°, dms. lb. .32 - —
20°, dms. lb. .30 - —
30°, dms. lb. .26 - —
Neroli, NF, French, bots. oz. 125.00 -195.00
Haitian, bots lb. 85.00 -90.00
Niaouli, cns. lb. 2.20 - 2.55

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Oil, Nutmeg—Oxyquinolin Sulphate

Oil, nutmeg, USP, dist., East Indian, cns., dms. lb. 3.50 - 4.25
West Indian, cns., dms. lb. 3.45 - 3.60
Ocotea cymbarum, dms. lb. .65 - .90
Oiticica, liquid, dms. lb. .21½- .22
tankcars lb. .20½- —
Oleo, extra, dms. lb. .18½- —
Olibanum, bots. lb. 5.25 - 7.65
extra fine, bots. lb. 8.00 - —
Olive, commercial, dms. gal. No stocks.
edible, dms., duty paid gal. 3.25 - —
foots, dms. lb. .14½- .15
Orange, sweet, dist., cns. lb. .75 - .90
expressed, USP, Brazilian, cns., dms. lb. 1.25 - 1.50
Calif., cns. lb. 1.15 - 1.75
Florida, cns., dms. lb. .90 - 1.50
Messina, cns. lb. 3.50 - 5.50
West Indian, cns. lb. 2.50 - 3.15
sesquiterpeneless, bots. lb. 55.00 -105.00
Origanum, Spanish, cns. lb. 2.30 - 2.75
Palm, Congo, dms. lb. .1635- —
tankcars lb No stocks.
Palmarosa, cns. lb. 7.85 -10.50
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery gal. .11½- —
Patchouli, dms. lb. 22.00 -26.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .19 - —
refined, dms., l.c.l. lb. .25 - —
tanks, New York lb. .23¼- —
Pennyroyal, USP, dom., cns lb No stocks
imported, cns. lb. 5.50 - 5.75
Peppermint, natural, dms. lb. 6.00 - 6.85
redist., USP, dms. lb. 6.50 - 7.25
Persic, USP (see Oil, apricot kernel).
Oil, perilla, crude, dms. lb. No stocks.
Petitgrain, Paraguay, cns. lb. 2.40 - 3.25
Pimento berry, NF, dms lb. 4.00 - 5.75
leaf, cns lb. 1.50 - 1.75
Pine, dest.-dist., dms., extra, l.c.l., works, South gal. .0695- —
ex whse., N.Y.C. lb. .0825- —
steam-dist., dms. ex whse., non-ret. dms. incl. l.c.l. ex whse., N.Y.C. lb. .117 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .23 Nom.
Red, saponified, dms. lb. .19¾- .21
tanks lb. .18¼- —
single dist., dms. lb. .20½- .21¼
tanks lb. .19 - —
double dist., dms. lb. .23 - .24¼
tanks lb. .21½- —
Rice bran, clarif., dms lb. No stocks.
Rose, natural, Bulgarian, bots oz. 32.50 -60.00
Rosemary, Spanish, tech., cns., dms lb. .80 - 1.50
USP, cns., dms. lb. .80 - 1.30
Rue, bots. lb. 3.00 - 3.25
Safflower, dms., l.c.l. lb. .1825- —
tanks lb 1550 Nom.
Sage, clary, bots. lb. 12.25 -19.00
Dalmatian, cns. lb. 9.50 -11.00
Spanish, cns lb. 1.00 - 2.10
Sandalwood, NF, cns. lb. 12.00 -14.50
Sardine, crude, tanks, Pac. coast lb. .10½- —
refined, alkali, dms. lb. .1880- —
kettle-bodied, dms. lb. .1980- —
light-pressed, dms. lb. .1780- —
tanks lb. .16 - —
Oil, sassafras, artificial, cns., dms. lb. .58 - .85
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms. lb. 2.00 - 2.50
Savin, cns lb. 2.75 3.00
Savory, cns lb. No stocks.
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. lb. .31½- —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. .19 - —
Snakeroot, Canada, cns. lb. 19.25 -35.00
Soybean, crude, tanks, mills lb. .13½- —
foots, acid, 95%, tanks, dlvd. E. lb. .08¼- —
raw, 50%, tanks, dlvd. E. lb. .03¼- —
refined, alkali, dms., c.l. lb. .1710- —
l.c.l. lb. .1770- .1810
tanks lb. .1570- —
clarified, dms., c.l. lb. .1610- —
l.c.l. lb. .1670- .1710
tanks lb. .1470- —
edible, dms. lb. .18¾- —
tanks lb. .16½- —
Spearmint, USP, dms. lb. 4.00 - 4.09
Sperm, bleached, winter, 45°, dms. lb. .1620- .17
tankcars lb. .1520- —
natural, winter, 45°, dms. lb. .15 - .16
tankcars lb. .14 - —
Spruce, cns., dms. lb. 2.00 - 2.25
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns lb. 2.05 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Oil, tallow, acidless, dms. lb. .19¾- —
Tansy, dms. lb. 7.75 - 9.00
Tar, pine, com'l, dms., incl., c.l., works, South lb. .051 - —
l.c.l., works, South lb. .0534- —
whse., N.Y.C. lb. .0678- —
tanks, works, South lb. .041 - —
rectified NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see Ta.
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms. lb. 1.60 - 2.45
white, cns lb. 1.80 - 2.85
technical, white, cns lb. .40 5.00
Tung, dom., tanks, mills lb. .24¾- —
imported, dms., c.l. lb. .26½- —
l.c.l. lb. .26¾- .27
tanks lb. .25¼- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms lb. .27 - .48
Vetiver, Bourbon, cns. lb. 24.00 -30.00
Haitian, cns lb. 22.00 -23.00
Java, cns lb. 22.00 -26.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached dms lb No stocks.
Wheat germ, 5-gal dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- .51
l.c.l., same basis gal. .54½- .60½
65-75 vis., dms., same basis. gal. .49½- .52
l.c.l., same basis gal. .55½- .61½
USP, 80-90 vis., dms., c.l., same basis gal. .50½- .53
125-135 vis., dms., c.l., same basis gal. .58½- .61
l.c.l., same basis gal. .64½- .70½
145-155 vis., dms., c.l., same basis gal. .65½- .67
l.c.l., same basis gal. .71½- .76½
175-185 vis., dms., c.l., same basis gal. .68½- .71½
l.c.l., same basis gal. .74½- .81
200-210 vis., dms., c.l., same basis gal. .71½- .73½
l.c.l., same basis gal. .77½- .83
335-345 vis., dms., c.l., same basis gal. .76 - .78½
l.c.l., same basis gal. .82 - .87
Wintergreen, USP, nat., Northern, cns. lb. 7.15 -18.00
Southern, cns lb. 3.80 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung)
Wormseed, NF, cns lb. 5.50 - 6.25
Wormwood, cns lb. 6.75 - 7.25
Ylang-ylang, Bourbon, bots lb. 12.00 -16.00
extra, bots lb. 20.00 -21.00
Madagascar, bots lb. No stocks.
Olein, crude (see Oil, red).
white, low titre, dms lb. .23 - .24¼
tankcars lb. .21½- —
Oleostearin, bbls lb. .17 - —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton. 10.00 - —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd. USP cns. lb. 21.65 -21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .29 - .31

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chrome, dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2210- —
Molybdate, bbls. lb. .42 - .43
Persian, bbls lb. .30 - .45
Orange flowers, oils lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .15 - .18
Oregano, Mexican, bgs. lb. .16 - .16¼
Italian, bgs. lb. .18½- .19
Portuguese, bgs. lb. .16½- .17
Orris root, Florentine, bls. lb. .18 - .20
powdered, bbls., bxs. lb. .23 - .24
Verona, bls lb. .15 - .18
powdered, bbls., bxs. lb. .19 - .24
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .70 - —
Orthochloroparanitroanilin, dms., dlvd lb. .66 - —
Orthochlorophenol, dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald. lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis lb. .168 - —
29° C, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis lb. .148 - .158
l.c.l., same basis lb. .151 - .161
tanks, same basis lb. .135 - .145
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .10¼- —
l.c.l., same basis lb. .11¼- .11½
tanks, same basis lb. .08¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis lb. .30 - —
tanks, same basis lb. .28 - —
Orthonitroaniiin, dms. lb. .50 - .53
Orthonitrochlorobenzene, dms. lb. .18 - .19
Orthonitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns. lb. .75 - —
Orthonitrophenol, bbls., works lb. .85 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
tanks, frt. alld. lb. .08 - —
Orthophenetidin, dms., works lb. .90 - —
Orthotoluidin, dms., c.l., works lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .20 - —
Osage orange crystals, bbls., l.c.l. lb. .33½- —
extract, liquid, bbls., l.c.l. lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, nots. gram. 3.00 - 4.00
Ox gall, conc., gran., tb. dms., 5 lbs. and up lb. 2.56 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb. 4.25 - —
smaller lots, works lb. 4.51 - —

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In the face of greatly increasing material and labor costs, Sonneborn research accomplished this miracle by analyzing and standardizing each step in the refining of petrolatum. As a result, production time and cost are held to an absolute minimum—product quality and uniformity are greatly improved.

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WHITE OIL & PETROLATUM DIVISION
L. SONNEBORN SONS, INC.
300 Fourth Avenue, New York 10, N. Y.

P

Pancreas substance, assay 1:75...lb. 5.75 - 6.25
Pancreatin, USP., bots.....lb. 2.50 - 3.00
Panthenol, bots. works, frt. adjust. kilo 90.00 —
Papain, powd., NF, cs..... lb. 4.00 - 4.50
Papaverine, natural or synthetic, hydrochloride, USP cns., 1,000-oz. lots oz. 5.00 —
smaller lots..... oz. 5.05 - 5.20
Sulphate, cns ..... oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. .29½- .30
Portuguese, bgs .....lb. .39 - .40
Spanish, bgs .....lb. .42 - .45
Para-anisidin dms works .. lb 80 -
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 - 21.00
Para-aminophenol, bbls., frt. alld lb. .88½- —
Parachlorophenol, dms. c.s., frt. equald. lb. .29 - —
t.c.l., same basis..... lb. .30 - —
Parachloroanilin dms. frt. alld. E. Aliss lb. .70 - —
Parachloro-orthonitroanilin, dms., frt. alld..lb. .70 - —
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene, dms. works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb lots. lb. .45 - —
Paradichlorobenzene, dms. c.s., works..lb. .13½- —
l.c.l., same basis.....lb. .16 - .19
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y..... lb. .0695- —
125-127 ASTM, loose, c.l., ref'y..lb. .0695 - —
128-130 ASTM, loose, c.l., ref'y. lb. .0695- —
130-132 ASTM, loose, c.l., refy. lb. .0705- —
132-134 ASTM, loose, c.l., ref'y lb. .0705- —
135-137 ASTM, loose, c.l., ref'y..lb. .0720- —

Paraffin prices in bgs. and ctns. 7/10c per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb higher, and under 1,000 lbs 3.7c per lb higher.

Paraformaldehyde, 94-95% powd., dms., c.l., dlvd. N.Y....lb. .16 - —
10,000 lbs. to c.l., same basis. lb. .17¼- .17½
1,000-9,999 lbs., same basis lb. .18¼- .18½
less than 1,000 lbs., same basis..lb. .19¾- .20¼
94-95%, powd., dms., c.l., works. lb. .14 - —
10,000 lbs. to c.l., same basis. lb. .15 - —
1,000-9,999 lbs., same basis. lb. .16 - —
less than 1,000 lbs., same basis lb. .18 - —
91-92%, flake, fib. dms., c.l., N. Y. delivery lb. .14 - —
10,000 lbs., to c.l., same basis. lb. .15½- —
1,000-9,999 lbs., same basis. lb. .16½- —
less than 1,000 lbs., same basis lb. .18½- —
91-92%, flake, fib. dms., c.l., works lb. .12 - —
10,000 lbs. to c.l., same basis. lb. .13 - —
1,000-9,999 lbs., same basis. lb. .14 - —
less than 1,000 lbs., same basis..lb. .16 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13⅛
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works ..... lb. .10½- —
USP. cbys ..... lb. .51 - .53
Paranitroanilin, dms., c.l., works, frt. alld..lb. .45½- —
l.c.l., frt. alld..... lb. .48½- —
Paranitrochlorobenzene, kgs. works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., frt. alld..lb. .33 - —
Paraphenetidin, dms., works... lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .31½- —
l.c.l., same basis.....lb. .32½- —
Paraphenylenediamine, redistilled, dms., works. lb. 2.05 - —
technical, refined, dms., same basis lb. 1.05 - 1.30
Paratertiarybutylphenol, bgs., c.l., works..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
Parathion, spray powder, 15%, dealers, tins..lb. .72 - —
tech., dms., works.....lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., frt. alld.....lb. .61 - —
Pareira brava root, whole, bgs..lb. .35 - .40
ground, bxs.....lb. .40 - .46
powder, bxs.....lb. .43 - .50
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld, on 96 lbs. or over. lb. .33 - .37
t.c.l., same basis.....lb. .34 - .66
Passion flower herb, bls.....lb. .35 - .40
Patchouli leaves, bls.....lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 69.50 - 70.50
Pectin, citrous, NF, powd., bbls lb 2.03 - 2.09
tech., powd., bbls.....lb. 1.35 - —
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units .....vl. .15½- —
500,000 units .....vl. .28 - —
1,000,000 units .....vl. .52 - —
2,000,000 units.....vl. 1.00 - —
bulk, sterile, over 25,000,000,000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03½- —
Procaine, bulk, over 25,000,000,000-unit lots..100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units. vl. .10¾- —
200,000 units .....vl. .16 - —
500,000 units .....vl. .30½- —
1,000,000 units .....vl. .57 - —
2,000,000 units .....vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls ..... lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
t.c.l., same basis ..... lb. .22 - .23
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works..lb. .32 - —
l.c.l., works.....lb. .33 - .35
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3. gal .10⅛- .11⅛

Pepper, black, spot, bgs.....lb. 1.80 - 1.85
October shipment, bgs.....lb. 1.78 - 1.80
October delivery, bgs .....lb. 1.78 - 1.80
November delivery, bgs.....lb. 1.75 - —
Red, Carolina, longs, bgs.....lb. .38 - .38½
Haitian, bgs.....lb. .52 - .53
Hontaka, bgs.....lb. .48 - .48½
Louisiana longs, bgs.....lb. .35 - .36
Mexican sports bgs ..... lb. .35 - .36
Mississippi sports, bgs, source Oct. shipment..lb. .35 - .36
Nigerian, caps, bgs.....lb. .35 - .36
Sierra Leone, bgs ..... lb. .42 - .43
Sudanese, small, bgs ..... lb. .42 - .43
Turkish, bgs .....lb. .26½- .27
White, afloat, bgs.....lb. 2.85 - —
Peppermint, USP, dom., bls.....lb. .55 - .60
imported, bls .. lb 80 - .90
Pepsin, NF, bulk, containers....lb. 3.90 - —
Perchloroethylene dms., c.l., or truckload, works.....lb. .11 - —
l.c.l., same basis.....lb. .11¾- —
tanks, same basis.....lb. .10 - —
Perchloroethylene, dms., c.l., dlvd. E. lb. .12 - —
l.c.l., dlvd. E.....lb. .12½- —
tanks, dlvd. E.....lb. .11 - —
Peru, balsam, dms.....lb. 1.10 - 1.35
Petrolatum, amber, c.l., dms....lb. .05 - .05¼
l.c.l., same basis.....lb. .05⅞- .06⅛
cream, dms., c.l. .....lb. .06 - .06⅜
l.c.l., same basis .....lb. .07¼- .07⅝
extra amber, dms., c.l.....lb. .05¼- .05½
l.c.l. .....lb. .06⅛- .06⅜
USP, white, lily, dms., c.l...lb. .06⅜- .06⅞
l.c.l. .....lb. .07⅝- .08⅛
snow, dms., c.l.....lb. .06⅞- .07⅜
l.c.l. .....lb. .07⅞- .08⅜
soft, dms., c.l.....lb. .06⅝- .07
l.c.l. .....lb. .07⅜- .08
yellow, soft, dms., c.l.....lb. .05½- .06
l.c.l. .....lb. .06¼- .06½

Pancreas Substance—Petroleum, Lacquer Diluent

Petroleum, crude bulk, at wells, California bbl. 1.10 - 2.99
Illinois .....bbl. 2.44 - 2.87
Kentucky .....bbl. 2.42 - 2.83
Louisiana Arkansas ....bbl. 2.08 - 2.90
Montana ..... bbl. 1.28 - 2.775
Oklahoma-Kansas .....bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.57 - —
Upper field .....bbl. 4.00 - —
Texas, East ..... bbl 2.65 - —
Gulf coast ..... bbl 2.28 - 2.95
North, North-Central bbl 2.23 - 2.65
Panhandle bbl 2.23 - 2.65
West ..... bbl 2.33 - 2.65
Wyoming ..... bbl 1.28 - 2.875
Ether, laboratory, 30°-60° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
t.c.l., same basis gal. .44 - —
35°-60° C. 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
t.c.l., same basis .... gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
cms., c.l., Group 3 gal. .26 - —
t.c.l. same basis.... gal .44 - —
90°-160° C. ret dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.45 - —
Petroleum, fuel oil, bunker C, No. 6 eastern, tanks, Baltimore, Md..bbl. 2.18 - —
Boston, Mass. .....bbl. 2.20 - —
Charleston, S. C. .....bbl. 2.13 - —
Jacksonville, Fla.....bbl. 2.12 - —
New York, N. Y.....bbl. 2.15 - 2.20
Norfolk, Va. .....bbl. 2.18 - —
Philadelphia, Pa.....bbl. 2.18 - —
Portland, Me. .....bbl. 2.23 - —
Providence, R. I.....bbl. 2.175 - —
Savannah, Ga. .....bbl. 2.13 - —
Diesel, tanks, refinery, California .....gal. .075 - .113
Pennsylvania .....gal. .09375- .0975
Furnace, tanks, refinery, Arkansas, No. 2..gal. .0825- —
No. 3 .....gal. .07875- —
Bayonne, N. J., No. 2....gal. .086 - —
Group 3, No. 1.....gal. .0875- .09
No. 1, straw.....gal. .0875- .09
No. 2, straw.....gal. .08125- .08625
range .....gal. .07825- .08125
Pennsylvania, western, No. 1. gal. .10 - —
No. 2 .....gal. .095 - .1025
No. 3 .....gal. .095 - .0975
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
235 F, o.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12125- .12375
toluol-type tanks, refinery. gal. .11625- .11875

Pittsburgh PX PLASTICIZERS

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Pittsburgh Coke & Chemical Company is now producing ten quality-controlled Pittsburgh PX Plasticizers—providing the plastics, rubber, and protective coatings industries with a new, reliable source of supply.

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Pittsburgh PX Plasticizers
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- PX-108 DiIsoOctyl Phthalate
- PX-138 DiOctyl Phthalate
- PX-208 DiIsoOctyl Adipate
- PX-209 DiNonyl Adipate
- PX-404 DiButyl Sebacate
- PX-488 DiIsoOctyl Sebacate
- PX-658 TetraHydroFurfuryl Oleate
- PX-915 TriPhenyl Phosphate
- PX-917 TriCresyl Phosphate

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PITTSBURGH COKE & CHEMICAL COMPANY
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COKE • CEMENT • PIG IRON • PLASTICIZERS • COAL CHEMICALS • ACTIVATED CARBON • PROTECTIVE COATINGS
AGRICULTURAL CHEMICALS • SYNTHETIC ORGANIC CHEMICALS

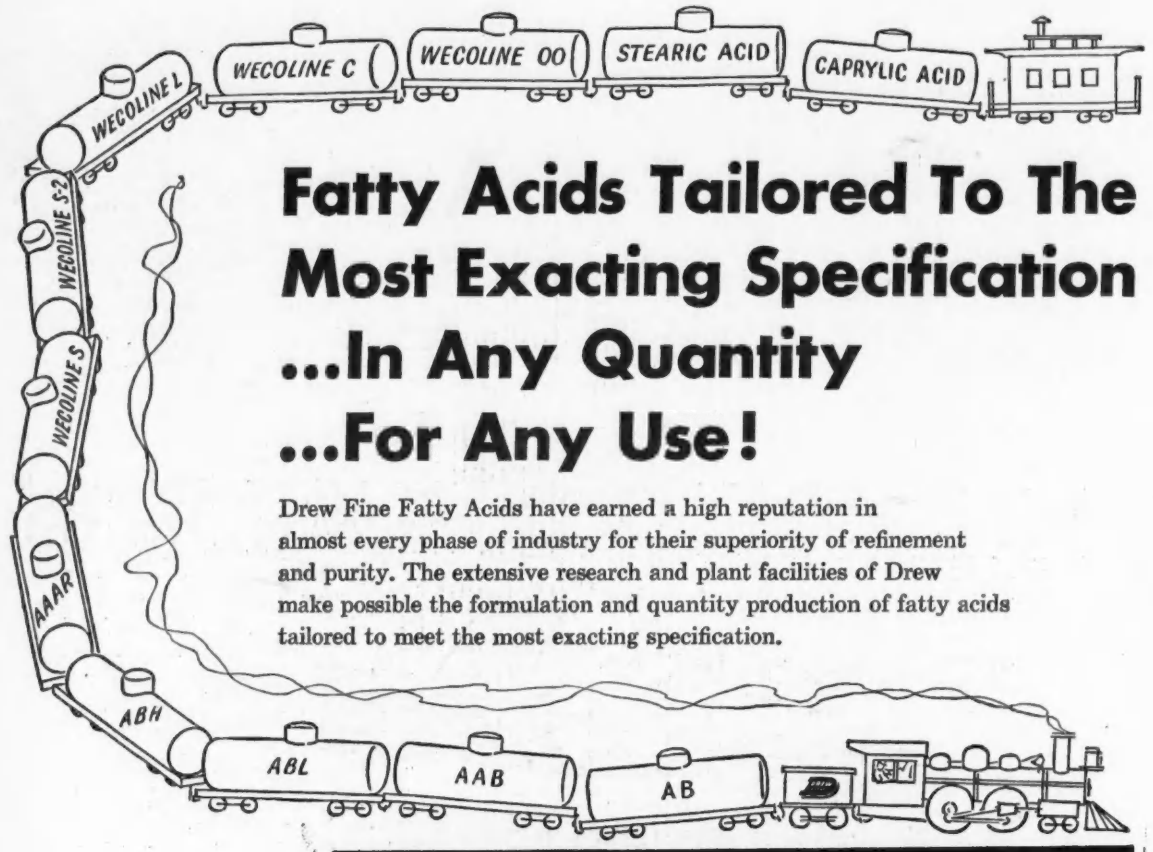
Petroleum, Mineral Spirits—Polystyrene Colors, Standard

Petroleum, mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .153 - —
245-360 b.r., tanks, same basis gal. .153 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .143 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .15 - —
group 3, tanks gal. .10875- —
tankwagon, Baltimore gal. .18½- —
Boston gal. .17 - —
Buffalo gal. .17½- —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½- —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D. C. gal. .18½- —
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery gal. .15 - —
Group 3, tanks gal. .11875- —
tankwagon, Newark gal. .15½- —
New York gal. .16 - —
Philadelphia gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .21½- .23

Petroleum naphtha high flash, 25-26° C., m.a.p., tanks, same basis gal. .22 - .26
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .28½- —
26-27° C., m.a.p., tanks, same basis gal. .22 - .26½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .22 - .28½
32° C., m.a.p., tanks, same basis gal. .22 - —
36° C., m.a.p., tanks, same basis gal. .22 - —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .27¾- .29
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .147 - —
Portland, Ore. gal .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11875- .12125
tankwagon, Boston gal. .18½- —
Newark gal. .17½- —
New York gal. .17½- —
Philadelphia gal. .17 - —
Pittsburgh gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks gal. .11875- —
Pennsylvania, western, tanks gal. .1225- —

Petroleum solvent, Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .165
East coast, N. J., N. Y., tanks gal. .15 - —
Group 3, tanks gal. .11375- —
tankwagon, Boston gal. .17 - —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .18 - —
Syracuse gal. .20 - —
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works, lb. .2040- —
l.c.l., works lb. .2065- —
tanks, works lb. .1850- —
60-62% sulphonic content, non-ret. dms., works lb. .1865- —
l.c.l., works lb. .1890- —
tanks, works lb. .1675- —
50-55% sulphonic content, non-ret. dms., works lb. .1590- —
l.c.l., works lb. .1615- —
tanks, works lb. .14 - —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms lb. 4.00 - 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies, lb. .1650- —
l.c.l., same basis lb. .1725- —
tanks, same basis lb. .1475- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1650- —
l.c.l., same basis lb. .1725- —
tanks, same basis lb. .1475- —
USP, synthetic, dms., c.l., same basis lb. .17¼- —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15½- —

Phenol, USP, tar distilled, dms., c.l., same basis lb. .17¼- —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15½- —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .46 - —
over 2,100 lbs., same basis lb. .48 - —
less than 2,100 lbs., same basis lb. .50 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.45 - 2.70
100%, bots lb. 4.00 - 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms., works lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 27.00 - 37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .35 - .36¼
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l. same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.30 - 1.80
Phenylethylphenyl acetate, bots lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works lb. 15.00 - 15.75
commercial, fib, dms., works lb. 6.40 - —
tech., fib., dms., works lb. 9.40 - 9.65
Phosgene, 150-lb. cyls., works lb. .20½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00- —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum mines, short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 c.l., mines, long ton. 6.45 -
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works lb. .42 - —
dms., works lb. .39 - .40
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .14 - .17
Pentasulphide, dms., c.l., works, lb. .12 - —
l.c.l., dms., works lb. .13 - .14
Pentoxide, dms., c.l., works lb. .12 - —
c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - .18
Phthalic annydride, bgs., c.l., works, frt. equald. lb. .17½- .20½
l.c.l., same basis lb. .18½- .21½
tanks, same basis lb. .17 - .18½
Bbls. ½c. per pound higher.
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline).
Pilocarpine hydrochloride, NF, bots. oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.10 - —
Pimento, Jamaica, bgs lb. .26 - .26½
Pinetar retort, dms. incl., c.l., works, South lb. .051 - —
l.c.l., same basis lb. .0534- —
whse., N.Y.C. lb. .0678- —
tanks, works, South lb. .041 - —
Pinkroot, bls. lb. 1.55 - 1.65
Piperidine, 85%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bois kilo 12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, domestic, dms. inc., works, South, 1 to 4 dms. lb. .06 - —
5 to 19 dms lb. .0775- —
10 or more dms lb. .0755- —
whse., N.Y.C., 1 to 4 dms. lb. .0692- —
5 to 19 dms lb. .0867- —
20 or more dms lb. .0847- —
Coaltar, 150° F, m.p., bbls., c.l., works ton. 34.00 -37.00
l.c.l., works ton. 37.00 -41.00
Cottonseed, dms., works lb. .05 - .07
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., dms. inc., l.c.l., works, South 100 lbs. 3.75 - —
Soybean, dms., works lb. .04½- .05
Tall, dms., works lb. .03 - .03½
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 100.00 -103.00
Pokeroot, bls lb. .13 - .14
Pleurisy root, bls lb. .25 - .26
Podophyllin NF dms lb. 12.45 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½- .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs. same basis lb. .31½- —
200-9,999 lbs., same basis lb. .31½- —



Fatty Acids Tailored To The Most Exacting Specification ...In Any Quantity ...For Any Use!

Drew Fine Fatty Acids have earned a high reputation in almost every phase of industry for their superiority of refinement and purity. The extensive research and plant facilities of Drew make possible the formulation and quantity production of fatty acids tailored to meet the most exacting specification.

COSMETICS
SOAPS
SHAMPOOS
DETERGENTS
SHAVING CREAMS
FOOD
PHARMACEUTICALS
TEXTILES
LEATHER
RUBBER
PAINTS
PLASTICS
PETROLEUM
PAPER
INSECTICIDES
PROTECTIVE COATINGS

CHEMICAL COMPOSITION

PRODUCT	TYPE	Caproic (C_6)	Caprylic (C_8)	Capric (C_{10})	Lauric (C_{12})	Myristic (C_{14})	Palmitic (C_{16})	Stearic (C_{18})	Oleic (C_{18})	Linoleic (C_{18})	Linolenic (C_{18})	Others
AB	Double Distilled Coconut Fatty Acid		1.0%	3.0%	60.0%	18.0%	7.0%	1.0%	7.0%	3.0%		
AAB	85-90% Lauric Acid		2.0%	4.0%	90.0%	2.0%			2.0%			
ABL	70% Lauric Acid		1.5%	3.5%	70.0%	13.0%	8.0%	1.0%	3.0%			
ABH	Double Distilled Hydrogenated Coconut Fatty Acid		1.0%	3.0%	60.0%	18.0%	7.0%	8.0%	3.0%			
AAAR	Single Distilled Coconut Fatty Acids		1.0%	2.0%	45.0%	22.0%	11.0%	2.5%	11.0%	5.5%		
Caprylic Acid	Caprylic Acid—65% Caprylic Acid—80%	5.0% 5.0%	65.0% 80.0%	30.0% 15.0%								
Wecoline S	Double Distilled Soya Fatty Acid					TR.	9.5%	2.5%	32.0%	52.0%		4.0%
Wecoline S-2	Distilled Soya Fatty Acid					TR.	11.0%	3.0%	28.0%	51.0%	7.0%	
Wecoline L	Double Distilled Linseed Fatty Acid						6.5%	2.5%	18.0%	25.0%	47.0%	1.0%
Wecoline C	Cottonseed Fatty Acids					2.0%	21.0%	3.0%	32.0%	41.0%		1.0%
Wecoline 00	Double Distilled Oleic Fatty Acid						9.0%	2.0%	82.0%	7.0%		
Formula 1500	Stearic Acid					6.0%	20.0%	60.0%	14.0%			
Formula 1000	Stearic Acid					6.0%	20.0%	70.0%	4.0%			
Formula 200	Stearic Acid					6.0%	20.0%	70.0%	4.0%			
Formula 300	Stearic Acid					6.0%	21.0%	70.0%	3.0%			
Formula 400	Stearic Acid					6.0%	6.0%	85.0%	3.0%			
VRO	Regular—Mixed Vegetable Fatty Acids Special—Mixed Vegetable Fatty Acids		40% Coconut Oil Fatty Acids 50% Coconut Oil Fatty Acids			60% Mixed Acids 50% Mixed Acids						

For further information, write
TECHNICAL PRODUCTS DIVISION
E. F. DREW & CO., INC.
15 EAST 26th STREET, NEW YORK 10, N. Y.
CHICAGO PHILADELPHIA BOSTON GREENVILLE, S. C.

DREW PRODUCTS

Polystyrene crystals, heat-resistant, bgs, over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber drms., ½c. per lb higher.
Pomegranate root bark, bgs. lb. .68 - .70
Poppy flowers, bls. lb. .85 - .90
Seed, Argentine, bgs. lb. .17½- .18
Czech, bgs. lb. .17 Nom.
Dutch, bgs. lb. .22 - .23
Polish, bgs. lb. .16 Nom.
Turkish, bgs., afloat lb. No prices.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, drms., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 10.75 - —
liquid, 45% drms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90% drms., c.l., works, 100 lbs. 9.40 - —
l.c.l. works 100 lbs. 10.15 - —
regular, flake 88-92%, drms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, drms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid 88-92% drms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, drms. lb. .08 - —
Acetate, drms lb. .31 - .36
Bicarbonate USP, gran drms lb. .20 .22
powd. drms lb. .22 .24
Bichromate, bgs., c.l., works lb. .14 - —
l.c.l., same basis lb. .14¼- .15
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250 50 - —
Bromate, bbls., 1,000 lbs. or more lb. .50 - .52
25-200-lb. lots lb. .55 - .57
Bromide, USP cryst., gran., bbls., kgs lb. .34 - .37
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., drms. lb. .16½- .18
powd., bbls., drms. lb. .21 .23
Chromate, tech., bgs. lb. .32 - .36
Chlorate, cryst., drms., c.l., works, lb. .089 - —
l.c.l., works lb. .0915-.1015
powd., drms., c.l., works lb. .094 - —
l.c.l., works lb. .0965-.1065
export, drms., 1 to 10 tons, ex whse lb. .12 - —
NF gran drms lb. .31 .33
Chloride, USP, cryst., drms lb. .26 - .27
gran., drms lb. .20 - .22
powd., drms lb. .29 - .32
Citrate, USP, gran., drms lb. .37½- .38½
powder drms lb. .40½- .41½
Cyanide, drms. works lb. .52½- .55
Fluoride, drms., works lb. .24 - —
Gluconate, drms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacol sulphonate, NF, drms. lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., drms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. drms lb. .90 - .93
Iodide, drms lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½- —
50-51 K_2O, paper bgs., Carlsbad, N. M. ton. 23.95 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., drms. lb. .30 - .32
purified, drms. lb. .42 - .44
Perchlorate, drms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½- —
Permanganate, tech., drms., works, lb. .22½- .23½
USP, drms., works lb. .24¾- .25¼
Persulphate, drms., c.l., works lb. .17 - —
Phosphate, tetrabasic, bbls., wks, lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., works, 100 lbs. 14.70 - —
l.c.l. 100 lbs. 15.20 - —
solution, 29° Be., ret. drms., c.l., works 100 lbs. 4.50 - 4.55
l.c.l., 5 drms. or more, works 100 lbs. 5.25 - 6.30
30° Be., ret. drms., c.l., works 100 lbs. 4.70 - —
l.c.l., works 100 lbs. 5.20 - —
32.5° Be., ret. drms., c.l., works 100 lbs. 4.85 - —
l.c.l., works 100 lbs. 5.35 - —
40° Be., ret. drms., c.l., works 100 lbs. 5.35 - —
l.c.l., works 100 lbs. 5.85 - —
40.5° Be., ret. drms., c.l., works 100 lbs. 6.00 - 6.75
l.c.l., 5 drms., or more, works 100 lbs. 6.75 - 7.50
1-4 drms., works 100 lbs. 7.25 - 7.90
Silicofluoride bbls works lb .07 - .08
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton. 34.50 - —
NF, cryst., drms lb. .31 - .33
gran., drms lb. .18½- —
powder, drms lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., drms lb. .75 - .81
tech., works lb. .45 .50
Titanate, ctns., c.l., works lb. .12 —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, works, basis 40% K_2SO_4, 18% MgO ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. drms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. drms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55

Pregnenolone bots. gm 2.50 - —
Acetate, bots. gm. 2.50 - —
Prickly ash bark, bls. lb. .23 - .25
Berries, bgs. lb. .60 - .70
Prince's pine herb, bls. lb. .45 - .50
Procaine hydrochloride, USP, drms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot lb. 4.00 - 5.00
Progesterone, USP, 100 gms., bots. gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .03 - —
Propionaldehyde, drms. c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate USP drms lb. 2.30 - 2.40
Propylene dichloride, drms., c.l. lb. .08½- —
l.c.l lb. .09½- —
smaller containers, l.c.l. lb. .12½- —
tanks lb. 07 - —
Oxide, drms., c.l., frt. alld. E lb. .18½- —
l.c.l. frt allid E lb. .19½- —
tanks, frt allid E lb. .16½- —
Propyleneglycol, NF, drms., c.l., frt. allid., E lb. .19¼- —
l.c.l., same basis lb. .20¼- —
tanks, same basis lb. .17½- —
tech., drms., c.l., frt. allid. E lb. .18¼- —
l.c.l., same basis lb. .19¼- —
tanks, same basis lb. .16½- —
Methylether, drms., c.l., frt. equald lb. .19¾- —
l.c.l., same basis lb. .20¾- —
tanks, same basis lb. .18¼- —
Propylthiouracil bots, 50 kilos or more kilo. 55.00 - —
smaller lots lb. 55 10 -55.30
Psyllium seed, black, bgs lb. .17 Nom.
blonde, bgs lb. .23 - .24
husks, bgs lb. .65 - .66
Pulsatilla herb bls lb. 45 .50

Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots, lb. .03½- .04
smaller lots lb. .03¾- .04¼
Italian, silk-screen, coarse, bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .26
Purple lake (see Red)
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, drms., works lb. 11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, drms., works gal. 9.50 - —
regular base drms. works, gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal. 14.15 - —
regular base drms. works, gal. 14.05 - —
flowers, fine-grd. 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, drms., c.l., works, and frt. equald gal. 2.47 - —
l.c.l., same basis gal. 2.50 - —
ref., 2°, non-ret. drms., c.l., same basis lb. .89½- —
l.c.l., same basis lb. .90 - —
Pyridoxine hydrochloride, 100-gram bots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatechol (see Catechol).

Polystyrene Crystals—Quebracho Extract

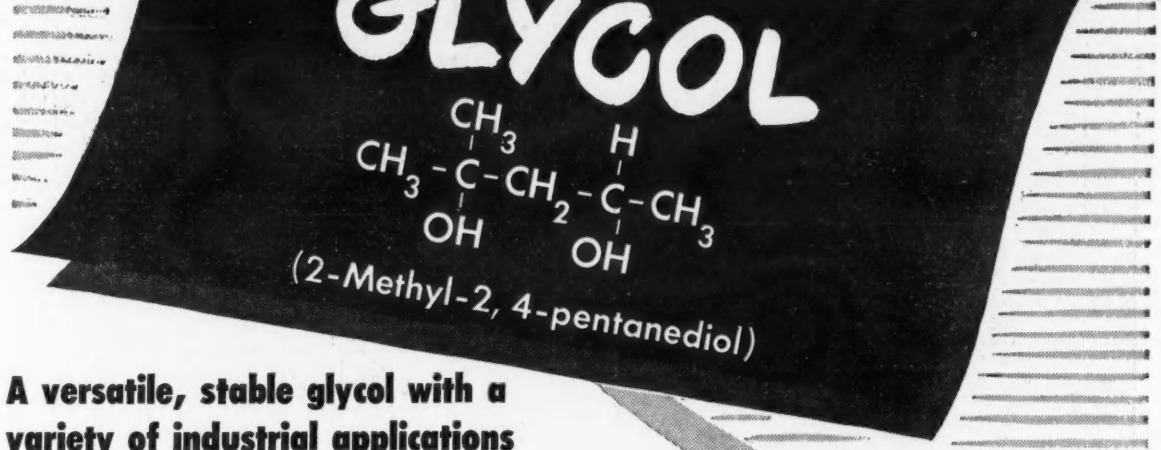
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 -11.50
230 mesh, bulk, c.l., mines ton. 12.00 -12.50
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh bulk c.l. mines, ton. 9.50 - —
insecticide grade 200 mesh, bgs., c.l., mines ton. 12.00 -12.50
rubber grade 140 mesh bgs., c.l., mines ton. 10.00 -10.50
Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb. 9.54 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .16 - —
translucent pastels, cs., works, lb. .17 - —
transparent colorless cs. works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. 14 - —
mixed, colors, cs., works lb. 14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs. c.l., lb. .14¾ .15
liq., 35% tannin bbls., works, lb. .08 .08½
tanks, same basis lb. .07½ —

FROM SHELL CHEMICAL

HEXYLENE GLYCOL



(2-Methyl-2, 4-pentanediol)

A versatile, stable glycol with a variety of industrial applications

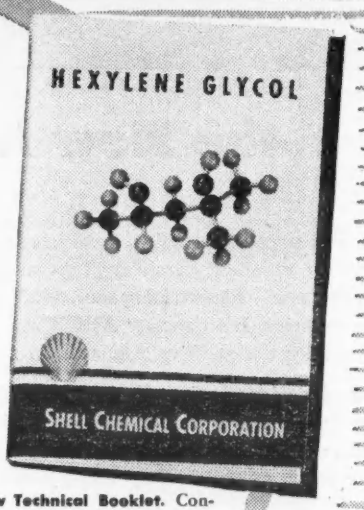
The Diversified Uses of Hexylene Glycol are a result of *four* distinguishing features. Hexylene Glycol is (1) an ideal coupling or blending agent; (2) a high-boiling (198.3°C) solvent and penetrant; (3) an efficient wetting and dispersing agent; and (4) a mild humectant.

Hydraulic Brake Fluids. Brake fluids which contain Hexylene Glycol have high tolerance for moisture . . . show little tendency to promote rubber swelling . . . exhibit low corrosion characteristics . . . form clear solutions with other castor oil brake fluids.

Printing Inks. At ordinary temperatures press stability is insured by the low vapor pressure and mild hygroscopicity of Hexylene Glycol. At elevated temperatures of flash-dry ovens the relatively high volatility of Hexylene Glycol permits fast drying with higher, more uniform press speeds.

Cleaning Compounds. Hexylene Glycol, as a coupling agent in engine cleaners and general industrial cleaners, effects stable and homogeneous emulsions. In pre-spotting soaps, Hexylene Glycol couples the soap with water, contributes solvent power and facilitates the removal of last traces of soap and water during dry-cleaning.

Other applications suggested by the coupling, wetting and high solvency properties of Hexylene Glycol include soluble cutting oils, grinding fluids, wood fungicides and textile assistants.



New Technical Booklet. Contains data on industrial applications . . . includes useful charts, tables, properties and specifications.

Booklet mailed on receipt of your letterhead request. Samples of Hexylene Glycol are available for your evaluation.

SHELL CHEMICAL CORPORATION

CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6
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Quebracho Extract, Clarified—Sesame Seed

Quebracho extract, clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 • —
powd., 70% tannin bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08 5/16 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .18 • .20
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l lb. .14½- —
solid bxs lb. .28 • —
Quicksilver, flasks (76 lbs.) net flask.87.00 -89.00
Quince seed, bgs. lb. .90 • 1.50
Quinidine, NF V, cryst., cns. oz. 1.90 • —
powd., precip., cns oz. 1.85 • —
Sulphate, USP, cns oz. 1.25 • —
Quinine, NF, cns., 100 ozs. oz. .70 • —
Bisulphate, USP, cns., 100 ozs oz. .51 • —
Dihydrochloride, USP, cns oz. .70 • —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 • —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 • —
Quinine hydrochloride, USP, cns., 100 ozs. oz. .63 • —
Phosphate, NF cns., 100 ozs oz. .76 • —
Salicylate, NF, cns., 100 ozs oz. .66 • —
Sulphate, USP cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns. oz. .68 • —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
l.c.l., same basis lb. .51¼- .51¾
tanks, same basis lb. .50 • —

R

R salt, paste, dry basis, dms., frt. alld lb. .83 • —
Raspberries, dried, bbls. lb. 1.60 • 1.70
Red, alizarin lake, bbls., dlvd. N of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 • 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.l.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.l.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 • —
light shade, bbls., same basis. lb. 3.65 • —
medium shade, bbls., same basis lb. 3.75 • —
medium light shade, bbls., same basis lb. 3.70 • —
orange shade, bbls., same basis lb. 3.30 • —
lithopone, deep shade, bbls., same basis lb. 1.45 • —
light shade, bbls., same basis lb. 1.30 • —
maroon shade, bbls., same basis lb. 1.55 • 1.65
medium shade, bbls., same basis lb. 1.40 • —
medium-light shade, bbls., same basis lb. 1.35 • —
Red, cadmium lithopone, orange-red shade, bbls., same basis lb. 1.25 • —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 • —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- .11¾
Iron oxide, synth., bgs. lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades bgs. lb. .60 • —
Lake C, toner alizarin, bbls., works lb. 1.05 • —
Lithol toner, bbls., works lb. .65¼- .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 • —
Maroon, alizarin lake, 25%, bgs., works lb. .40 • .43
toner, bbls., works lb. 1.35 • 1.50
Red, maroon, cadmium, deep, bbls., works lb. 1.20 • —
regular, bbls., works lb 1.10 • —
iron oxide, bgs., l.c.l., works lb. .64 • —
MNP, toner, kgs., works lb 2.25 • —
Maroons in smaller pkgs. 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 • —
smaller lots, works lb 2.02 • —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs. works lb. .06¾- .07
Red para toner, bbls. lb. .85 • .90
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 • —
Pink lake, alizarin, bbls., works lb. .20 • .25
Purple lake, kegs lb. 1.35 • —
Rose lake, alizarin, bbls., works lb. .25 • .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works. lb. 1.35 • —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls. lb. .32 • —
Quicksilver, cns lb 2.27 • —
Red KB base (see chloro(4)-2-toluidine).
Red Precipitate NF powd. bbl dms lb. 2.19 • 2.21
Red saunders wood, powd., bbls lb. .50 • —
Rennin, NF lb. 6.50 • —
Resorcinol, resin grade, dms., c.l., works lb. .71 • —
l.c.l., works lb. .72 • —
tech., dms., c.l., works lb. .74 • —
l.c.l., works lb .75 • —
USP, cryst., dms., works lb. 2.50 • —
powd., dms., works lb. 2.70 • —
Monoacetate, NF dms lb 3.25 • 3.45
Rhatany root, bgs lb. .15 • .16
Rhodinol, 5-lb. cns lb.42.00 -45.00
Rhubarb root, China, whole, cs. lb. .80 • .85
powd., bbls lb. .85 • .90
India, whole, bgs. lb. .30 • .35
powdered, bbls. lb. .35 • .40
Riboflavin, USP, bots., dlvd. kilo.125.00 • —
Readily soluble, bots., dlvd. kilo.125.00 • —
Rice bran concentrate dms., Cedartown, Ga lb. .79 • —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs. lb. .31 • —
smaller lots lb. .31½- .36½
Rose flowers, pale, bls. lb. .40 • .45
Rosemary flowers, bls. lb. 1.55 • 1.65
Leaves, French, bls lb. .12 • .12½
Portuguese, bls Lb. .07 • .07½
Spanish, bls lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works. 100 lbs. 3.50 • —
FF, dms., c.l., works 100 lbs. 5.25 • —
G, H, I, dms., c.l., works. 100 lbs. 6.71 • —
K, dms., c.l., works 100 lbs. 6.71 • —
M, dms., c.l., works 100 lbs. 6.71 • —
N, dms., c.l., works 100 lbs. 6.76 • —
WG, dms., c.l., works 100 lbs. 6.91 • —
WW, dms., c.l., works 100 lbs. 7.11 • —
X, dms., c.l., works 100 lbs. 7.21 • —
Rotenone, CP, bbls., works lb.20.00 • —
tech., bbls., works lb.16.50 • —
Rottenstone, bgs., c.l., mines ton.36.00 • —
l.c.l. mines ton.43.00 • —
Rue herb bls lb. .35 • .40
Rutin, 10 kilos, fib., dms gram. .02¼- .03¼
smaller lots, fib. dms gram. .02¾- .03¾
Ryania, 100% powd., bgs., works lb. .20 • —

S

Sabadilla seed, powd., bbls lb. .70 • —
activated ground with lime, bbls lb. .40 • —
Saccharin, USP gran., soluble, dms., 1,000-lb. lots lb. 1.50 • —
smaller lots lb. 1.60 • 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 • —
smaller lots lb. 1.65 • 1.85
Safflower, Egyptian, bls. lb. .65 • .70
Saffron Mexican bls lb .95 1.00
Spanish, USP, tins lb.18.00 -18.50
Safrol, dms. lb. .85 • 1.10
Sage, Cyprus, bls. lb. .12 • .13
Dalmatian, bls lb. 1.15 • 1.20
Greek, fancy, bls. lb. No stocks.
Spanish, bls. lb. .16 • .16½
Syrian, bls. lb. .16 • .16½
Sago flour, bgs. lb. .07½- .07¾
Sal soda (see Soda sal).
Saligenin, cns lb.14.00 -25.00
Salol, NF gran., bbls., kgs lb 1.00 • —
fib dms lb 1.02 • 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l., works. 100 lbs. 1.09 • —
l.c.l. 100 lbs. 1.30 • —
paper bgs., c.l. 100 lbs. .94 • —
l.c.l. 100 lbs. 1.15 • —
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. 1.09 • —
l.c.l., works 100 lbs. 1.20 • —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.15.00 • —
Saltpeter, cryst. obls., 10 tons. 100 lbs.13.90 • —
smaller lots 100 lbs.14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 • —
smaller lots 100 lbs.10.50 -11.00
powd., bbls., 20 tons 100 lbs.10.25 —
smaller lots 100 lbs.11.50 -12.00
Nb. gran., dms lb. 15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 • .66
powd., dms. lb. .75 • 76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin, NF cryst., powd., cns. kilo. No stocks.
Saponin No. 1, cns lb. 2.45 • —
Sarsaparilla root, dom., bls. lb. .30 • .40
Honduras, bls. lb. .40 • .45
Mexican, bls lb. .30 • .32
Sassafras bark, ord., bls lb. .35 • .40
select, bls lb. .50 • .55
Savory, French, bls. lb. .11 • .11½
Spanish, bls. lb. .10 • .10½
Saw palmetto berries, bgs. lb. .26 • .35
Scammony resin lump, cns lb. 1.95 • 2.20
powd., cns. lb. 2.05 • 2.30
Root bgs lb. .11 • .14
Schaeffer's salt, bgs., frt. alld lb. .73 • —
Scopolamine hydrobromide, bots oz.16.00 -17.00
Hydrochloride bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .26¾- —
smaller lots lb. .27¼- —
dms., 100 lbs. or less lb. .28¼- .32½
Selenium, powd., dms. to dealers, dlvd lb. 3.00 • —
Senega root, bls. lb. 2.70 • 2.80
Senna leaf, Alex., half-leaf, bls lb. .16 • .18
sifting, bgs. lb. .16 • .18
Tinnevelly, No. 1, bls. lb. .22 • .24
No. 2, bls. lb. .18 • .22
No. 3, bls lb. .15 • .17
powdered, bls., bxs lb. .20 • .24
Pods, bls lb 12 15
Serpentaria root, bls lb. 3.25 Nom.
Sesame seed, Chinese, white, natural, bgs lb. .18 • .18½
hulled, bgs lb. .15 • .15½
Nicaragua, hulled, bgs. lb. .22 • .25
natural, bgs lb. .18½- .19
Salvadorean, bgs. lb. .13 Nom.

the New AROPLAZ 1395-M70

Now, there's a specially designed vehicle for porch and deck paints that combines the excellent durability, toughness, and abrasion resistance of alkyd resins, *and* – the brushing ease, alkali- and water-resistance of oleoresinous vehicles. It's the new AROPLAZ 1395-M70 – *the first* alkyd resin specially designed as sole vehicle for porch and deck enamels.

Although designed primarily for production of high quality porch and deck finishes, it's also an outstanding vehicle for all exterior enamels, structural steel primers and top coats, and clear spars. It's excellent for floor enamels and as a grinding vehicle, too. *Ask today* for full information.

AROPLAZ 1395-M70 also exhibits —

- Good leveling
- Fast drying
- Good non-chalking
- High gloss
- Good color

SPECIFICATIONS — AROPLAZ 1395-M70

Non-Volatile	69-71%
Solvent	Mineral Spirits
Viscosity (G.H.)	Y-Z1
Acid Number of Non-Volatile	8-12
Color (Gardner Stds. '33)	9-11
Wt. Per Gallon @ 25°C.	7.9-8.0 lbs.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.

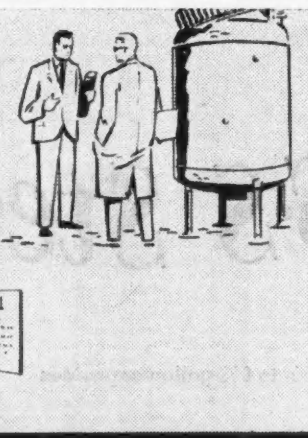
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .51¼- —
bbls., 1,500-lb. lots.....lb. .52 - —
kgs., 1,500-lb. lots.....lb. .54 - —
refined, bgs., 1,500-lb. lots....lb. .61½ - —
bbls., 1,500-lb. lots.....lb. .62 - —
kgs., 1,500-lb. lots.....lb. .64 - —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs.....lb. .50 - .51
No. 2, bgs.....lb. .48 - .49
Superfine, bgs., 10 bgs.....lb. .46 - .47
TN, bgs., 10 bgs.....lb. .44 - .45
Shellac in 1 to 9 bgs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., ill. works..ton.20.00 -30.00
l.c.l., works.....ton.25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.25.00 - —
140 mesh, bgs., c.l., works.. ton.12.00 - —
l.c.l., works.....ton.17.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .18½- .20½
Silver bullion, ingots, cs.....oz. .72⅝- —
Cyanide, 6lb. dms., 2,500-oz. lots, oz. .66⅝- —
1,000-oz. lots.....oz. .66⅝- —
500-oz. lots.....oz. .66⅞- —
100-oz lots.....oz. .67½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots.....oz. .47⅜- —
500-oz. lots.....oz. .48½- —
250-oz. lots.....oz. .49¾- —
USP granular silver nitrate, 4c. per oz. higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots..oz. .90 - —
Simaruba bark, bls.....lb. .85 Nom.
Skullcap herb, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .30 - .35
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs.....lb. .18 - .30
Smalt, black, ctns.....lb. .11½- —
Blue, ctns.....lb. .15½- —
Snakeroot, Canada, bls.....lb. .80 - .90
Soapbark, bls.....lb. .24 - .27
crushed, bls., bbls.....lb. .29 - .35
powd., bbls.....lb. .30 - .35
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., stock points....100 lbs. 2.35 - 4.62
bbls., c.l., works.....100 lbs. 2.15 - —
l.c.l., stock points....100 lbs. 3.35 - 4.12
bulk, c.l., works.....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.05 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.20 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.75 - —
l.c.l., stock points....100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.65 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.75 - —
solid, 76%, dms., c.l., works.. 100 lbs. 3.35 - —
l.c.l., stock points....100 lbs. 4.35 - 5.05
Sal, bgs., c.l., works.....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.70 - —
Soda-lime, USP, dms..... lb. .23 - .25
Sodium acetate, anhyd., dms., works, lb. .10½- .12
NF, powder, bbls., works....lb. .08½- .09½
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
Aluminate, 20,000 lbs. or more, bgs..100 lbs. 8.50 - —
smaller lots.....100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .27½- —
l.c.l., dlvd.....lb. .28½- —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works gal. .60 - 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more..lb. .39 - —
USP, bbls., dms., 100 lbs. or more..lb. .46 - —
smaller lots.....lb. 1.30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 3.15 - —
powd. bgs. c.l. work 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.75 - —
Bichromate, bgs., c.l., works....lb. .10½- —
l.c.l., same basis.....lb. .10¾- .11½
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Bisulphate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., works.....100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.15 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l. works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .24 - .25
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works, lb. .08 - —
l.c.l., works.....lb. .08¼- —
powd., kgs., works.....lb. .09½- —
Chloride, tech. (see Salt).
USP, dms.....lb. .21 - —
Chlorite (ecn.), dms., works lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l. dms. works lb. .21 - .22
Chromate, dms., c.l., works...lb. .12¼- —
l.c.l., same basis.....lb. .12½- .13¼
Citrate, anhyd., dms.....lb. .60 - .65
USP VIII, anhyd., dms.....lb. .23 - .28
USP XIII, gran., dms.....lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works, lb. 1.10 - —
smaller lots, works.... lb. 1.25 - —
Cyanide, 96-98%, dms.....lb. .17 - .19
Diacetate, 33-35% acidity, bbls., works..lb. .12 - .13½
anhydrous, dms., works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works..lb. .10¾- —
l.c.l., works.....lb. .11 - .11¼
95%, bbls. c.l., works.... lb. .10¾- —
l.c.l., works.....lb. .11 - —

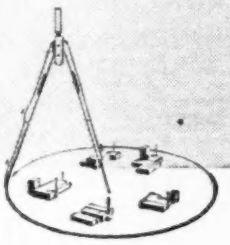
Sodium fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots lb.11.00 - —
Formate, bgs. c.l., dlvd....100 lbs. 7.10 - —
l.c.l.....100 lbs. 8.15 - —
Gluconate, dms.... lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls.....lb. 1.85 - 2.00
solution, 75%, cbys.....lb. 1.06 - 1.11
Hydride, dms., works.....lb. 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22 - .23½
l.c.l., frt. alld.....lb. .22½- .24
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —
Hypophosphite, NF, ton lots or less, dms..lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area.. 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.10 - —
pea, bgs. 100 lbs. 3.90 - 4.65
gran., bgs., c.l., works.. 100 lbs. 4.00 - —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots, dms lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works, lb. .13 - .14
Sodium metaborate, octa-hydrate, gran., bgs., c.l., works..ton.73.00 - —
l.c.l., works ton.118.00 -123.00
tetrahydrate c.l. bbls. works ton.164.50 -
Sodium metaborate in bbls. $5 per ton higher.
Metal, tanks, works.....lb. .16 - —
bricks, dms. works.....lb. .17 - .18
Metanilate, bbls., frt. alld.....lb. .57 - —
Metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 4.70 - —
dms., c.l.....100 lbs. 4.85 - —
l.c.l.....100 lbs. 4.95 - —
pentahydrate bgs. c.l., works frt. equald..100 lbs. 3.75 - —
l.c.l., bgs., works..100 lbs. 4.15 - 4.65
dms., c.l., works....100 lbs. 4.15 - —
bbls., l.c.l., works....100 lbs. 4.55 - —
Molybdate, anhyd., bbls., works.lb. .60 - —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls.....lb. .66 - —
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works ib 45.00 - —
imp., 100-lb. bgs. c.l., Atl Gulf, Pac. whse ton.51.50 - —
bulk, c.l., same basis...ton.48.00 - —
Nitrite, 99½%, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, dms.....lb. .21 - —
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 6.40 - —
hydrated, flake bbls, c.l. works. 100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 5.50 - 5.75

Sodium oxalate, neut., bgs., works, lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots lb 3.65 - —
Para-aminosalicylate, dms., 1,000-lb. lots..lb. 5.75 - —
smaller lots.....lb. 5.80 - 6.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l., same oasis lb .22½- .24½
pellets, bgs., c.l., same basis lb .21 - —
l.c.l., same basis lb .22 - .24
powd., bgs., c.l. same basis lb .20 - —
l.c.l., same basis lb .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .19¾- —
l.c.l., works.....lb. .20¾- .21¾
Peroxide, dms., c.l., divd. E. of Miss..lb. .19 - —
l.c.l., same basis.....lb. .19½- .20
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms.....lb. .41 - .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.90 - —
l.c.l., works.....100 lbs. 7.30 - —
cryst., bgs. c.l., works 100 lbs. 4.00 - —
l.c.l., works ....100 lbs. 4.40 - —
USP, dried, powd., bgs., dms, works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works. 100 lbs. 7.80 - —
l.c.l., works .....100 lbs. 8.20 - —



EXTRAS···

···AT NO EXTRA COST



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Supplying chemicals to American industry means more than meeting specifications at a price.

With Solvay . . . it means prompt, *dependable* delivery from coast-to-coast warehouse stocks . . . a continuing supply from five big plants situated in America's industrial centers.

. . . It means an all-inclusive *working* knowledge of alkalies, the result of sixty-nine years of experience. And Solvay's "Industry-Wise" Technical Service offers a specialized service that is exclusive with Solvay—a corps of experts who know *your* particular industry.

These "extras"—"extras" that cannot be shown in a specification, or found on a price list—are yours at no extra cost when you deal with America's leading manufacturer of alkalies. Next time you order alkalies and associated chemicals . . . specify Solvay.

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ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

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New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

SOLVAY PRODUCTS

Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Nytron • Calcium Chloride
Sodium Bicarbonate • Specialty Cleansers • Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene
Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Phosphate, Tribasic—Sulphur, Refined, Flour

Sodium phosphate, tribasic, cryst., bgs., c.l., works, frt. equald ..100 lbs. 3.90 - —
l.c.l., same basis ..100 lbs. 4.30 - —
Sodium phosphates in bbls., 40c. higher than bgs
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs.....lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald ..100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works, lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald ..100 lbs. 7.15 - —
l.c.l., frt. equald ..100 lbs. 7.55 - —
Salicylate, USP, dms.....lb. .61 - .63
Sesquicarbonate, bgs., c.l., works ..100 lbs. 2.10 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. E. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works 140 lbs. 2.45 - —

Sodium sesquisilicate, anhy, dms., c.l., works..100 lbs. 5.50 - —
l.c.l., dlvd.....100 lbs. 5.60 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.20 - —
l.c.l., works.....100 lbs. 1.55 - 1.95
tanks, works.....ton.19.00 - —
52°, turbid., dms., c.l., works ..100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
tanks, works.....ton.37.00 - —
solid, bgs., works.....ton.55.00 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works .....lb. .049 - —
Stannate, dms., works, frt. alld E. lb. .582 - .636
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works ...lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech., anhyd., bgs., c.l., works. ..100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls .....lb. .17 - .19
gran., bbls.....lb. .17 - .17½
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 - —
l.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald ..100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works..100 lbs. 6.75 - —
l.c.l., same basis ..100 lbs. 7.25 - —

Sodium sulphite, regular, crystals, bgs., c.l., works..100 lbs. 4.10 - —
l.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate bbls.....lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., works, c.l..lb. .05¾- —
l.c.l., works.....lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03¼- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works .....lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. .10 - .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works .....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms.....lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald .....100 lbs. 7.40 - —
l.c.l., same basis.....100 lbs. 7.80 - —
Tungstate, tech., kgs., dlvd., East lb. 1.50 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd..lb. .23 - —
l.c.l., same basis .....lb. .23½- —
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works .....lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works...lb. .28 - —
less 1,000 lbs., same basis ..lb. .30 - —
Solvent naphtha, coaltar tanks, works..gal. .28 - .31
high-flash, tanks, works..gal. .28 - .31

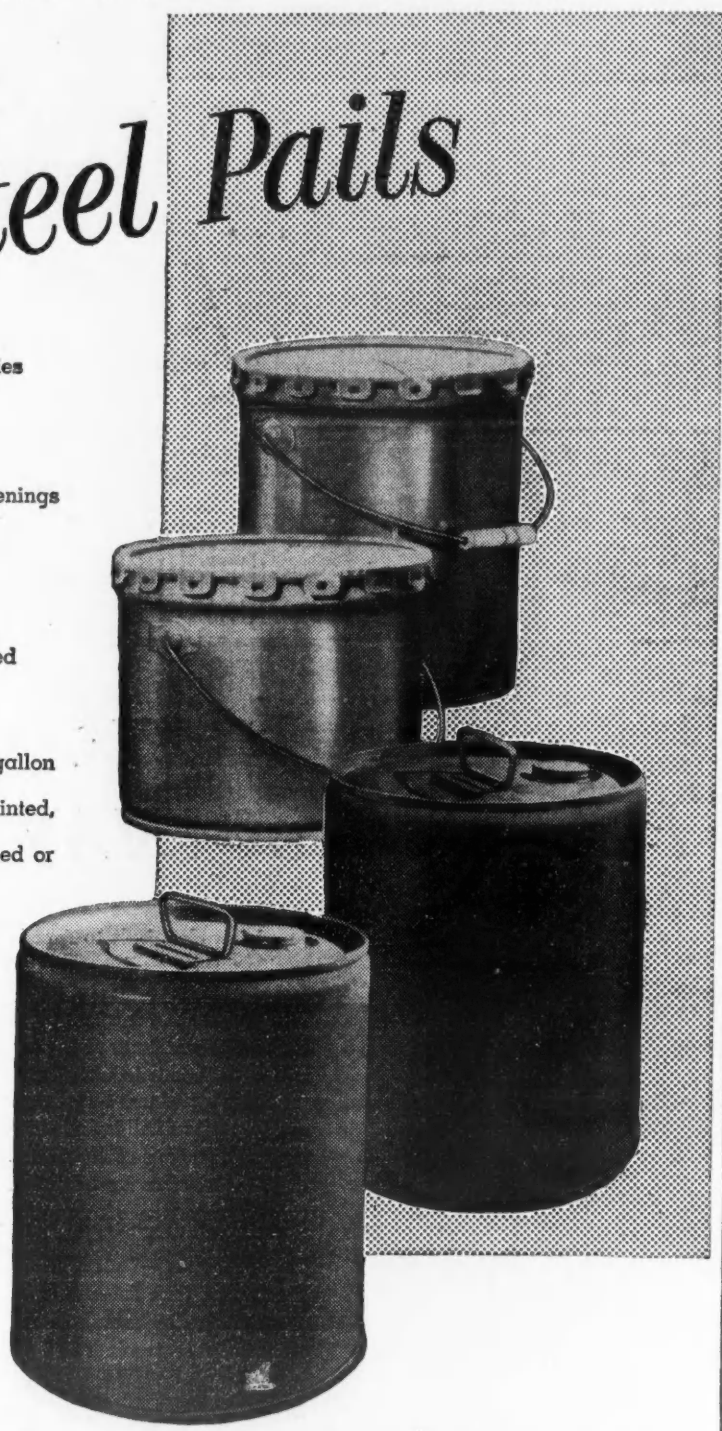
Solvent petroleum, 100° F., flash, tanks, Baytown, Tex..gal. .28 - —
Bayonne .....gal. .32 - —
150 p. dash, tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works..lb. .31 - .32
10,000 to 20,000 lbs., works..lb. .33 - .34
smaller lots, works.....lb. .36 - .39
tristearate, fib. dms., 20,000 lbs. works..lb. .31 - —
10,000 to 20,000 lbs., works..lb. .33 - —
smaller lots, works.....lb. .36 - .38
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works, lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works..lb. .24¼- —
ton lots, works.....lb. .25¼- —
less ton lots, works....lb. .26 - —
tanks, works.....lb. .23½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¾- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur. ton.51.00 -52.00
50%, same basis.....ton.59.75 - —
protein, chemically isolated, 40,000 lbs., dlvd..lb. .24 - —
20,000 lbs., same basis ..lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis..lb. .0600- —
20,000 lbs., same basis ...lb. .0615- —
smaller lots, same basis..lb. .0630- —
Sparteine sulphate, ens.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls .....lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine leaves, bls.....lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes..lb. 1.60 - —
White, bls. .....lb. .11 - .13
powd., bbls., bxs .....lb. .16 - .18
St. Ignatius beans, ogs.....lb. No stocks.
St. John's bread, edible, bls ....lb. .13 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.97 - —
Chicago .....100 lbs. 5.32 - —
l.c.l. .....100 lbs. 6.12 - —
powd., paper bgs., c.l.....100 lbs. 6.08 - —
Chicago .....100 lbs. 5.43 - —
l.c.l. .....100 lbs. 6.23 - —

Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.

Potato, Idaho, bgs., c.l., works..lb. .05¼- —
Maine, bgs., c.l., works....lb. .05¼- —
l.c.l., spot.....lb. .07½- .07¾
Rice, bgs. .....lb. .10¾- .11
Sweetpotato, bgs., c.l.....lb. No stocks.
Wheat, bgs. .....lb. .0606- .0628
Stavesacre seed, bgs.....lb. .60 - .81
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 - .38
Stoneroot, bls. .....lb. .07½- .08
Storax, USP, cs. .....lb. 1.90 - 1.60
Stramonium leaves, bgs.....lb. .22 - .24
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals, vials..gram. .50 - —
wholesalers, vials .....gram. .48 - —
Strontium bromide, NF, ens., dms., lb. .67 - —
Carbonate 90%, dms.....lb. .15½- .16¼
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., works.....lb. .50 - —
Iodide, jars, 25 lbs .....lb. 3.60 - —
Nitrate, bbls., c.l., works.....lb. .09¼- —
l.c.l., works .....lb. .10¼- —
Oxalate, bbls., works .....lb. .42 - .44
Salicylate, NF, dms .....lb. 1.65 - —
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, NF, bots.....oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 3.00 - 3.25
Strychnine, NF, powd., ens., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs.....oz. 1.14 - —
Sulphate, USP, powd., ens., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works. lb. .19¼- —
l.c.l., works.....lb. .20¼- —
tanks, works .....lb. .18 - —
Styrolyl acetate, bots .....oz. 2.50 - 3.10
Sucrose octa-acetate, benat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms.....lb. 4.25 - 4.60
Sulphabenzamide-sodium, dms ...lb. 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms..lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms..lb.10.50 -11.00
powder .....lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms..lb.12.25 -12.75
powder .....lb.11.25 -11.75
Sulphaguanidin, USP, dms.....lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms..lb.10.55 -11.05
powder, dms .....lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms..lb. 8.80 - 9.30
powder, dms.....lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms..lb. 1.15 - 1.35
microcrystals, dms.....lb. 1.30 - 1.50
powder, dms.....lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms..lb. 8.05 - 8.25
Sulphapyridin, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP crystals, free flowing, dms..lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms..lb. 3.25 - 3.55
powder, dms.....lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines..100 lbs. 1.65 - —
bbls., mines.....100 lbs. 2.30 - —
lump, bgs., mines.....100 lbs. 1.50 - —
bbls., mines.....100 lbs. 1.80 - —
crude, bulk, c.l., mines, contract long ton.18.00 -20.00
f.o.b. vessels, Gulf ports, export..long ton.22.00 -24.00
domestic and Canada..... long ton.19.50 - —
refined, flowers, USP, bgs., mines. 100 lbs. 3.50 - —
bbls. .....100 lbs. 4.65 - —
flour, light, bgs., mines..100 lbs. 3.15 - —
bbls., mines .....100 lbs. 4.05 - —
precipitated, USP, bbls., imported..lb. .20 - .24
refined, flour, light, bgs., mines. 100 lbs. 3.15 - —
bbls., mines.....100 lbs. 4.05 - —
lump, bgs., mines.....100 lbs. 2.70 - —

U·S·S Steel Pails

- Available in 2½- to 6½-gallon capacities
- With tight heads or lug covers
- Wide variety of pouring spouts and openings
- Baked enamel finishes in any color combination
- Lithographed heads or shells as required



We also have steel drums of 10- to 110-gallon capacities which can be furnished painted, decorated, hot dipped galvanized, tinned or made of stainless steel.

A U·S·S STEEL CONTAINER FOR EVERY INDUSTRIAL NEED!

"It's Better to Ship in Steel"

UNITED STATES STEEL PRODUCTS COMPANY

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USS TRADE MARK

UNITED STATES STEEL

Sulphur refined, roll, bgs., mines 100 lbs. 3.15 - —
bbls., mines 100 lbs. 3.60 - —
salt block, bgs., mines 100 lbs. 2.80 - —
virgin block, bbls., mines 100 lbs. 2.85 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 1.95 - —
bbls., mines 100 lbs. 3.10 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 3.20 - —
refined, bgs., mines 100 lbs. 2.55 - —
bbls., mines 100 lbs. 3.60 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.35 - —
bbls., mines 100 lbs. 3.60 - —
10% pine tar treated, bgs., mines 100 lbs. 3.55 - —
washed, NF, bot lb. .31 - —
Sulphur chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼- —
l.c.l., same oasis lb. .04¼- —
tanks, same basis lb. 03 - —
Dioxide liquid com'l, cyls., works lb. .09 - —
multi unit cars works lb. 0535 - —
tanks works lb. 045 - —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex-dock ton.65.00 Nom.
Extract, No. 1, bbls., 25% lb. .12½- —
No. 2, bbls., 25% lb. .11 - —
crystals, bbls lb. .44 - —
stainless, bbls lb. .14 - —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, Balto. unit-ton. .76 - —
Carteret, N. J. unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls lb. .90 - 1.00

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs. c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, edible, dms., c.l. lb. .16½ Nom.
inedible, extra, loose, c.l., dlvd. lb. .12 - —
fancy, loose, c.l., dlvd lb. .12¼- —
special, loose, c.l., dlvd lb. .11¼- —
sulphonated, 25%, dms lb. .09 - .09½
50%, dms. lb. .11½- .12
Tamarind, W. I. bbls lb. .10 - .15
kegs keg.10.00 —
Tankage, animal feeding, 9-11% ammon, bulk unit-ton. 8.50 - —
Chicago unit-ton. 9.00 - —
Tansy leaves, bls lb. .28 - .30
Tapioca flour, high grade, bgs. lb. .07½- .07¾
medium grades, bgs lb. .07 - .07¼
low grades, bgs lb. .06 - .06¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .43½- —
l.c.l., same basis gal. .46½- —
tanks, same basis gal. .35½- —
25-28%, dms., c.l., same basis. gal. .50½- —
l.c.l., same basis gal. .53½- —
tanks, same basis gal. .42½- —
50-53%, dms., c.l., same basis. gal. .66 - —
l.c.l., same basis gal. .71 - —
tanks, same basis gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l. ex dock U. S. ports long ton. No prices.
powd., bgs., c.l. same basis long ton.225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran or powd., bbls., kgs. lb. .49 - —
dms. lb. .50 - .54
USP, powd., bbls., dms., kgs lb. .52 - .53
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .12 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70½
prime, dms lb. .39 - .50
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 3.75 - —
Propionate, USP, 100 gms., bots., gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb 12.50 -15.00
sulphate, 99% bots., dlvd lb 10.50 -13.00
Theobromine, fib. dms lb. 5.25 - 5.32
Salicylate, fib. dms lb. 4.40 - 4.45
with sodium acetate, USP, dms lb. 4.05 - 4.10
Sodio-salicylate, fib. dms lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo.160.00 - —
Mononitrate, bots., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil dms. works lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works lb. .46 - —
Thorium nitrate cs. works lb. 3.50 - —
Threonine, dextro - laevo, bots., 100 grams.115.00 - —
Thyme, French, bgs lb. .15½- .16
Spanish, bls lb. .08½- .09
Thymol, kgs. lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).

Tin chloride stannous, anhyd., dms., works lb. .878 - .888
Crystals, hydrous, bgs., bbls., works lb. .72 - —
Metal lb. 1.02½- —
Oxide, bbls. lb. 1.05½- 1.06½
Sulphate, stannous, bbls lb. .986 - 1.00
Tetrachloride, anhyd., dms., works lb. .61½- .62½
Titanium dioxide anatase ceramic, bgs. c.l., dlvd lb. .19½- —
l.c.l. dlvd lb. .20 .20½
chalk resistant, bgs., c.l., dlvd. lb. .19½- —
c.l. dlvd lb. .20 .20½
plain, bgs c.l. dlvd lb. .19½ —
l.c.l., dlvd lb. .20 .20½
rutile, natural granular, bgs., c.l. works lb. .05 —
5-ton lots works lb. .05¼- —
milled, ogs., c.l. work lb. .05¼- —
5-ton lots works lb. .05½ —
nonchalking, bgs. c.l., dlvd E lb. .21½- —
l.c.l., dlvd E lb. .22 .22½
Hydride, cns. works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd lb. .07½ .07¾
l.c.l. dlvd lb. .08 .08¾
Titanium dioxide and pigment tr bbls., ¼c. higher; Pac coast c.l. dlvd., l.c.l., ex whse ½c higher
Tetrachloride UP, 55 gal. dms lb. .57 .58
smaller pkgs. works lb. .65 1.22
technical, 5-gal dms., works lb. .32 —
smaller pkgs works lb 40 1.00
Tolu balsam, cns., dms lb. 3.50 - 3.60
Toluene (see Toluol)
Tolidin base, distilled, kgs lb. 1.20 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .27 - —
Birmingham dist gal. .25 - —
Chicago dist gal. .28 - —
Cleveland district gal. .27¾- —
Geneva, Utah gal. .21 - —
Hamilton, Ohio gal. .27 - —
Johnstown, Pa gal. .25 - —
Lackawanna, N. Y. gal. .28 - —
Lone Star, Tex gal. .26½- —
Lorain, Ohio gal. .26 - —
Minequa, Colo gal. .25½- —
Philadelphia, Pa gal. .28½- —
Pittsburgh district gal. .25 - —
Sparrow's Point, Md. gal. .27 - —
St. Louis, Mo gal. .30 - —
Syracuse, N. Y. gal. .25½- —
Terre Haute, Ind gal. .28½- —
Wyandotte, Mich gal. .28 - —
Youngstown, Ohio gal. .25½- —
Petroleum, industrial 2°, tanks, works—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .30 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .30 - —
Tonga 50% bark and vine bls lb 80 95
Tonka beans Angostura, cks lb 1.75 1.80
Brazilian cs lb 1.00 1.15
Surinam cs lb. 1.00 1.15
Toxaphene, dms., works, c.l lb .20 - —
truckloads, works lb .20 - —
ton to truckloads, works lb .23 - —
less than tons works lb. .26 - —
Totaquine, 100-oz. lots, cns oz. .42 - —
Triacetin, dms., dlvd lb. .45 - .46

Sulphur, Refined, Rolls—Triethanolamine

Tributyl citrate, dms. lb. 41 .45
smaller containers lb. 46 .52
Phosphate dms c.l. frt. alld lb. .56½ —
l.c.l., same basis lb. .57½- —
smaller containers lb 71 —
Tributylamine dms., c.l., frt. alld. lb. .78¾- —
l.c.l., same basis lb. .79¾- —
tanks, same basis lb 77 —
Trichlorobenzene dms. c.l. works, frt. alld lb. .11½- —
l.c.l., frt. alld lb. .12½- —
tanks, frt. alld lb. .10 - —
Prices in the West, 1¾c. higher
Trichloroethane, dms., c.l., works. lb. .13 —
l.c.l., works lb. .13½- —
tanks, works lb. 11½ —
Trichloroethylene, dms., c.l., or truckload works, frt. equald. lb. .11 - —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .10 —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼- —
l.c.l., dlvd. E lb. .11¾- —
tanks, dlvd E lb. .10¼ —
Tricholine citrate, 65% solut., ret., chys., works, frt adjusted lb. 2.10 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd. lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32¼- —
petroleum, dms., c.l., dlvd. lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32¼- —
Triethanolamine, dms., c.l., frt. alld. E lb. .24¾- —
l.c.l., same basis lb. .25¾- —
tanks, same basis lb. .23 - —

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AMERICAN Cyanamid COMPANY

Industrial Chemicals Division

30 Rockefeller Plaza, New York 20, N. Y.

*Trade Mark

Triethylamine—Wax, Microcrystalline

Triethylamine, dms., c.l., works, frt. alld, E lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .36¼-
Triethyl citrate, dms lb. .34 .36
smaller containers lb. 39 .45
Phosphate, dms., works, c.l lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. 37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .22¼-
l.c.l., same basis lb. .23¼-
tanks, same basis lb. .20½-
Triethylenetetramine, dms., c.l., works lb. .41½-
l.c.l., works lb. .42 - —
tanks lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald. 100% basis, lb. .38 - —
l.c.l., works, frt. equald. 100% basis lb. .38½-
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. 29½-
l.c.l. works lb 30 - —
tanks, works lb 28 - —
Tripentaerythritol, bgs., l.c.l. works, lb. .35½- .37½
Triphenyl phosphate, bbls, c.l., frt. equald lb. .33 - —
l.c.l., frt. equald. lb. .34 - —
Triphenylguanidine, bbls, works lb 90 —
Tripoli, air floated, bgs., c.l., works, lb .017½ —
double grd. bgs., c.l. works lb .016 - —
single grd. bgs., c.l. works lb. .015 —
Tripropyleneglycol, dms., c.l., frt. alld lb. .25½-
l.c.l., frt. alld lb. .27½-
tanks, frt. alld lb. .23½-
Trisodium fluoroacetate (see sodium fluoroacetate (tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works lb. 2.30 - —
1:50, dms., works lb 4.25 - —
1:75, dms., works lb 5.50 - —
1:100, fib. dms., works lb 5.50 - —
Tryptophane dextro-laevo, fib ctns., works kilo. 207.00 -242.00
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms., works lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs. lb. .32 - .35
Haitian, bgs. lb. .10 - .10¼
Jamaica, bgs. lb. .10 - .10½
Madras, bgs. lb. .17 - .17½
Turpentine, gum (see Naval Stores Protective Coatings market).
Wood, dest.-dist., dms., extra, c.l., works, South gal. .37 - —
l.c.l., same basis gal. .38 - —
l.c.l., whse. gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l. works South gal. .56 - —
ex whse., NYC gal. .76 - —
tanks, works gal. .42 - —
Tyrothricin, bots. gram 1.00 - 1.10

U

Urethane, USP, dms lb. 1.50 - —
Unicorn root, false (see Helonias root).
Unicorn root, True (see Aletris root).
Uranium oxide, black, bgs lb 2.55 - —
yellow, kgs. lb 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04¾- —
l.c.l., works lb. .05¼- —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 99.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va. ton. 115.00 - —
C and D grades, tankcars same basis ton. 113.50 - —
37 grade, tankcars same basis ton. 137.50 - —
Uva ursi leaves, bls lb. .06 - .14

V

Valerian root, Belgian, NF, bls lb. .35 - .37
Valine, dextro-laevo, dms., works lb. 21.00 -27.50
Valonia beards, bgs., ex dock ton. 78.00 Nom.
Cups, bgs., ex dock ton. 55.00 - —
Extract, powd., ngs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech. dms. works lb 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.90 - 4.25
Mexican, cuts, tins lb 6.50 - 6.75
whole, tins lb. 7.25 Nom.
Tahiti, cs. lb 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs lb 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, tins lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .17 - —
l.c.l., works lb. .17½- —
tanks, works lb. .16 - —
Vinyl butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .16 - —
lots of less than 500 million units 1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion E x 1894.

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units .21 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm 1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride)
B_2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots, milligram. .59½- —
C (see Acid, ascorbic)
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat-germ).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin)
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.75 - 1.80
Tree bark, bls lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lbs., same basis lb 2.05 - —
5-24 lbs., cns., same basis lb 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 71.50 - —
merchantable, bgs., ex dock ton. 67.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08 - .08½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra lb. .0770- .0780
S. Africa, 62% tannin, ex dock, duty extra lb. .0770- .0780
Wax, amorphous (see Wax microcrystalline)
Bayberry, bgs., spot lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .69 - .71
slabs, bgs. lb. .68 - .70
crude, African, bgs. lb. .55 - .56
Brazilian, bgs. lb. .58 - .59
Central American, bgs. lb. .55 - .56
refined, yellow, bricks, cs. lb. .61 - .62
slabs, bgs. lb. .60 - .62
Candelilla, crude, bgs. lb. .59 - .60
refined, bgs. lb. .63 - .64

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .84 Nom.
No. 3, crude, bgs., ton lots. lb. .80 - .82
refined, bgs., ton lots lb. .83 - .84
yellow, No. 1, bgs., ton lots lb. 1.00 - 1.02
No. 2 lb. .98 - 1.00

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs. lb. .60 - .62
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —

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		KARAGAMI	JAPAN
Compare these Specifications	Melting Point	50.0C	50.0C
	Penetration at 77 F	21	20
	Saponification No.	199.4	206.0
	Iodine No.	17.9	17.1

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CARNAUBA WAX REPLACEMENT • FATTY ACIDS-DISTILLED
CANDELILLA WAX • REFINED TALL OIL

Wax, microcrystalline, white, 190°-195° m.p., ASTM, amber, basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported, Bohemian, bgs. lb. .15½- .16
German, bgs. lb. .16 - .17
Ouricury, refined, bgs., ton lots lb. .84 - .85
Paraffin (see P.)
Spermaceti, blocks, cs. lb. .28 - .31
cakes, cs. lb. .29 - .32
Sugar, cane, crude, imp., bgs. lb. No stocks.
refined, dom., slabs, works lb. .69 - .74
imp., bgs., N. Y. lb. .48 - .50
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .18 - .20
White precipitate USP powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs. c.l. works, ton 6.00 -10.00
smaller lots works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots works ton.21.00 -35.00
Paris white, bgs., c.l. ton.24.00 -31.00
l.c.l. whse. ton.25.00 -40.00
Precipitated, bgs., c.l. ton.18.00 -20.00
l.c.l. ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls. lb. .15 - .16
rossed, bls. lb. .17 - .18
Wild indigo root, bls. lb. .30 - .31
Wild yam root, bls. lb. .16 - .17
Witch hazel leaves, bls. lb. .20 - .22
Woodflour 40 mesh bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk c.l. same basis ton.37.00 - —
l.c.l. same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 - .14
Levant, bgs. lb. 4.50 - 5.00
Wormwood leaves, bls. lb. .35 - .45

X

Xanthorrhiza root, bls. lb. .28 - .30
Xylene (see Xylol)
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald lb. .193 - —
l.c.l., same basis lb. .196 - —
tanks, same basis lb. .18 - —
45°-47°C, dms., c.l., frt. equald lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.16 - —
l.c.l., same basis gal. 1.19 - —
tanks, same basis gal. 1.05 - —
Xylidins, mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa. gal. .29 - —
Birmingham district gal. .26¼- —
Chicago district gal. .29½- —
Cleveland district gal. .29 - —
Geneva, Utah gal. .21 - —
Hamilton, Ohio gal. .28 - —
Johnstown, Pa. gal. .27 - —
Lackawanna, N. Y. gal. .29 - —
Lone Star, Tex. gal. .27 - —
Lorain, Ohio gal. .27 - —
Minequa, Colo. gal. .29 - —
Philadelphia, Pa. gal. .29 - —
Pittsburgh district gal. .26 - .29
Sparrows Point, Md. gal. .29 - —
St. Louis, Mo. gal. .30 - —
Syracuse, N. Y. gal. .26½- —
Terre Haute, Ind. gal. .31 - —
Wyandotte, Mich. gal. .29 - —
Youngstown, Ohio gal. .26½- —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .30 - —

Y

Yara yara, ens. lb. 2.25 - 2.30
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 - .58
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd. lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss. including Davenport, Minneapolis, Rock Island lb. .29 - .31
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. lb. .04½- —
l.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth., bgs., c.l., works lb. .09½- —
l.c.l., works lb. .09¾- —
Yellow, mercury oxide, bbls., 1,000 lbs. lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome. lb. .23 - .29
Yellow dock root, bls. lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls. lb. 28 - .30
Yohimbine hydrochloride, vls. oz. 4.75 - 5.25

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots works lb. .35 - —
Zinc acetate, tech., bbls., dms. lb. .26¼- —
NF, dms. lb. .41 - —
Borate, bgs., c.l., dlvd. E. lb. .18½- —
l.c.l., dlvd. E. lb. .19½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubbermakers', bgs., works. lb. .10¾- .11½
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.70 - —
l.c.l., works 100 lbs. 8.10 - —
gran., bbls., c.l., works 100 lbs. 8.45 - —
l.c.l., works 100 lbs. 8.85 - —
solution, 50% dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.85 - —
tanks, works 100 lbs. 3.60 - —
NF, gran., dms lb. .42 - —
Chromate see Yellow, zinc.
Cyanide, kgs., works lb. .457 - .477
Dust, c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
Fluoride, bbls., works lb. .40 - —
Zinc hydrosulphite, dms., c.l., frt. alld. lb. .18¼- .19¾
l.c.l. lb. .18¾- .20¼
Iodide, NF, jars lb. 4.85 - —
Laurate, bbls. lb. .45 - .46
Metal, slabs, E. St. Louis lb. .17½- —
Naphthenate, liquid, 8% Zn, frt. alld. lb. .20¼- .22
10% Zn, dms. frt. alld. lb. .26 - .26¾
Oleate, fused, bbls. lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
leaded, 5%, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
35%, bgs., c.l., dlvd. lb. .16¼- —
l.c.l., dlvd. lb. .17¼- —
50%, bgs., c.l., dlvd. lb. .16¾- —
l.c.l., dlvd. lb. .17⅜- —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
green seal, bgs., c.l., dlvd. lb. .17¼- —
l.c.l., dlvd. lb. .18¾- —
red seal, bgs., c.l., dlvd. lb. .17¼- —
l.c.l., dlvd. lb. .18¼- —
white seal, bgs., c.l., dlvd. lb. .18¼- —
l.c.l., dlvd. lb. .19¼- —
USP, ctns., c.l., dlvd. lb. .19¼- —
l.c.l., dlvd. lb. .20¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.

Wax, Microcrystalline White—Zircon

Zinc phenolsulphate, dms. lb. .36 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Silicofluoride, bbls., works lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld. 100 lbs. 6.85 - —
l.c.l., same basis 100 lbs. 7.25 - —
flake, 25½%, Zn, bgs., c.l., works, dlvd. 100 lbs. 6.05 - —
l.c.l., works 100 lbs. 6.45 - —
powdered, 36% Zn, bgs., c.l., dlvd., same basis 100 lbs. 9.25 - —
l.c.l., same basis 100 lbs.10.00 - —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .24 - —
l.c.l., dlvd. lb. .25 - —
Thionosulphonate, NF, gran., bbls., dms lb. .33 - .34
powd., bbls lb. .36 - .37
Undecylenate, dms. lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.35 - —
l.c.l., works 100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., l.c.l., works lb. .22½- —
normal, dms., l.c.l., works lb. .44 - —
Zircon (see Zirconium silicate).

—Continued on page 78

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Collaboration Works Both Ways

The present prospect of broader governmental controls over all industry makes it pertinent to review a recent example of just the kind of effective collaboration between government and business that has been urged so frequently in these pages. This example is offered by the withdrawal for further study of HR 9158.

Amended several times since its passage in 1938, the federal food, drug and cosmetic act needed recodification and clarification at several points. Upon statement by the Food and Drug Administration to industry involved that the purpose was merely to re-write and put in convenient form the law as then constituted, the bill encountered no opposition and was about to pass when FDA discovered a flaw in wording which would have broadened materially the inspection powers granted by the new bill.

FDA immediately warned interested trade associations that this wording would, if left in the bill, give FDA the power to inspect all records of manufacturers and thus remove the definite limitations made by Congress in the present bill. While FDA stated that it had no objection to having this broader power of inspection it felt that the change should not be made without giving industry an opportunity to be heard.

Acting on this warning industry reviewed the new bill and discovered a substantial number of other changes some of which, it was felt, FDA would itself not approve. In a comparable spirit of fair play industry gave FDA the benefits of its own study with the net result that HR 9158 was withdrawn for further re-writing and probable submission at the next session.

There is no need to point a moral here for the dubious benefit of those who regard the Golden Rule as an example of academic oversimplification. Despite them, it still remains the only sound basis for practicing democracy.

Paint Sales Climbing

Paint sales in all categories started upward in June, picking up the lag that was evident in the spring months. July sales continued the trend; they did not reach the June figure but were far ahead of July a year ago. Official statistics for August are not yet available, but the graph line on sales charts in the offices of individual companies rises sharply for that month. Some manufacturers will report the largest August on record.

The question naturally arises:—What manner of buying is responsible for the marked increases? Is it to fill depleted shelves; are price considerations dominant, or is it inventory building above and beyond normal needs? Trade sales managers of the larger companies, aware of the possibilities of the latter, are watching most carefully and, at the moment, the consensus of their reports is that the manufacturers' sales are being definitely reflected in a gratifying movement of the merchandise into consumer channels. The professional paint user and the buying public are creating the demand.

Such demand at this time may, of course, be attributed to a natural desire of the industrial and private user to get his maintenance work and his redecorating done before a tightening of the materials market affects availability and costs of supplies. With the marked sales increases in the past three months, shortages of some materials have made it increasingly difficult to meet the inflowing orders.

Despite increased production of certain items, there is every indication that these shortages will continue for an indefinite time. Delays in deliveries and apportionment of orders will be the result. However, it is the industry feeling that it will be able to supply the essential painting needs of the country as we enter the uncertain period of a military economy, even as they were met in World War II.

Enterprise Still Pays Off

Sixty thousand dollars awarded during the first half of this year bring to well over $1,000,000 the forty-year record of total disbursements made under the employee suggestion plan of a large industrial organization. More than three thousand employees have participated, so far, in this year's awards through adoption of their ideas for improved operating efficiency or producton techniques. Business can find a sound answer to the perennial criticism of its inability to sell itself in the old adage that money talks, if it will but continue to disseminate such facts. Proofs that enterprise, private or otherwise, still pays off should be stressed at every opportunity. The cumulative effect of such stressing can be a powerful counter to the too prevalent philosophy of "most pay for the least work."

Washington Talks It Over

—*Continued from page 4*

plant managers of what steps should be taken now when we are neither entirely at peace nor at war. They might be guided by these general instructions which the Munitions Board has forwarded to plants in which it is actively concerned:—

1. A thorough review should be made by plant management of its security program maintained during World War II to determine the regulations the plant had in force and actions taken by the plant during that period when security was maintained at its highest level.

2. As many of the World War II protective measures as plant management believes are warranted, and which are currently applicable, based on their estimate of the importance of their facilities to the war effort during World War II, and which are justifiable within the company's budget limitations, should be revised and put into effect immediately.

3. Additional plans should be completed to bring the plant security program, in case of an emergency, to the full level of World War II.

4. Allowance should be made for the fact that there is more likelihood of subversive activities today than in World War II, and that we face a new hazard due to the fact that the USSR has effected an atomic explosion.

Cataloging Military Materials

The very detailed, but highly important, job of cataloging each of some 2,500,000 separate items that show up in the stream of procurement orders of the military services is now more than one-third finished. Under speed-up orders of the Munitions Board, because of the strained international situation, the task is to be completed by June 30, 1952.

When the army, navy and air forces were combined or unified into a single agency, one of the first things the Munitions Board did was to direct a cataloging of supply items so that equipment might be standardized between the three agencies. Insofar as medical supplies are concerned, the job was fairly simple, and this has been completed. With respect to other materials, however, it appeared that each agency down through the years insisted upon designs that were unrelated to each other. As a consequence, interchangeability of even some of the most common equipment was impossible.

The cataloging of all materials will be helpful not only to the procurement officers in the military services, but to industry as well. For the military, the catalog will permit the detecting and eliminating of duplicate items of supply and in the determination of interchangeability of items and in standardization. For industry the catalog will provide a common supply language which can be utilized by all government agencies and by industry, which is essential for efficient use of national resources in a national emergency.

Soybean Oil Content

The oil content of soybeans produced in the southern states is generally higher than that of soybeans produced in northern states. On the other hand, both the protein content of the soybeans and the drying capacity of the oil tend to be higher in the northern grown soybeans.

This, in sum and substance, is the import of a report just issued by the Department of Agriculture on a marketing study conducted under the research and marketing act to help soybean processors determine which areas are most likely to produce soybeans containing certain desirable qualities. A copy of the report is available from the Production and Marketing Administration by asking for "Marketing Study of the Oil Content of Soybeans As Related to Production Areas and Climate."

The survey covered ten areas. Six of the areas lie approximately on a north-south line from the Canadian border to the Gulf of Mexico. From north to south the oil content of soybeans in each of the six areas increased, being lowest in the most northern area and highest in the southernmost. These differences in oil content appeared to result primarily from differences in temperature of the areas where the soybeans were grown. Rainfall, length of day, and altitude had no significant effect on oil content.

Tung Tree Research

Five hundred thousand improved tung trees in the Gulf Coast region provide a clear-cut example of the value of varied research in increasing the efficiency of a crop. From a few seeds brought from China less than fifty years ago, the industry has increased until the growers turn out $5,000,000 worth of nuts containing more than 50 percent high grade drying oil.

The Department of Agriculture takes much credit for this expansion of the industry. It states that the half million improved trees are the result of the grower's readiness to set out trees of seedling progenies which the research men have found and tested. These trees yield three times as much oil as the early untested seedling trees. And research has brought in other improved factors besides those of selections.

Growers have learned from the researchers what are the fertilizer needs of trees of different stages and what time of year to put it on; what cover crops cut production costs; a sure-fire way to germinate the seed; found what pre-emergence 2,4-D spraying is a practical method of weed control; a more accurate and cheaper method of oil analysis to check up on new varieties and methods; and engineers have devised better tung nut drying equipment.

Alcohol Production Dilemma

Government officials are facing a tough problem on the question of whether grains or molasses should be the primary raw stock for making the alcohol needed in the synthetic rubber program. The reactivation of the butadiene plants which operate off of alcohol, is making a decision on this question imperative at an early date.

Ordinarily it might be expected that molasses would be the source material because it is so much cheaper than grain, but because of this very fact molasses has become a most important factor as a cattle feed and any cutting back of supplies is bound to set up a howl from the cattle feeders. Also, by forcing the feeders to resort to a feedstock that costs about twice as much as molasses, undoubtedly would lead to higher meat prices for consumers and an even bigger howl from that quarter.

There is some hope that a much larger supply of butylenes can be obtained from the petroleum industry for synthetic rubber than were available in World War II, which would lessen the demand for alcohol to make butadiene. However, the aviation gasoline program competes with synthetic rubber for the supply of butylenes and it is questionable how much can be allotted to rubber.

Lobby Investigation Expiring

The house lobby investigating committee, which started out with much fan-fare over a year ago to blast the high-powered lobbyists out of Washington, is folding up and quietly going out of existence at the end of this year. One of the last things the house did before adjourning was to give the committee $10,000 to wind-up its affairs and make its report.

The investigation, it will be recalled, has its birth in the outspoken criticism of President Truman against pressure groups which he claimed were blocking his program. A few hearings were held by the committee with representatives of several of the well-known organizations on the stand to recite their relations with congress, but it never did get down to questioning of representatives of specific industries.

Throughout its existence, the committee was split with internal dissensions over the handling of the probe by the chairman and the lines of inquiry by the staff investigators. One of the controversial actions was the sending of questionnaires to about 160 leading industrial corporations demanding information on their expenditures in Washington and contributions to various other organizations.

Nothing has ever been announced on the results of this probing. The feeling is general in Washington that the lobby investigation as a whole was nothing more than a political stunt designed to scare and harass the opponents of the President's program than it was an attempt to uncover facts that would warrant amending the law.

Swedes Study U.S. Plastics

A group of fifteen Swedish specialists has just arrived in this country under ECA sponsorship to study production processes and operations of American plastics manufacturers in the East and Midwest. The group will remain here for eight weeks studying the technics in the manufacture of raw materials, as well as finished plastic articles.

The Swedish plastics industry is made up of 250 companies, annually producing goods valued between $35,000,000 and $40,000,000, with facilities and technics considered to be considerably outdated in comparison with American methods. The Swedish government regards its plastics industry as potentially of great importance to the national economy and is anxious for it to be in position to compete readily with the best that the rest of the world can produce.

Plant managers, technical personnel, and labor representatives are included in the Swedish team. Visits will be made to producers of plastics components, firms making machinery, trade associations, and the convention of the Society of Plastics Industries in Swampscott, Mass., in October. Plants in New York, Pennsylvania, Delaware, Ohio, Illinois, Wisconsin, Michigan, New Jersey, and Massachusetts will be covered before the team departs November 9.

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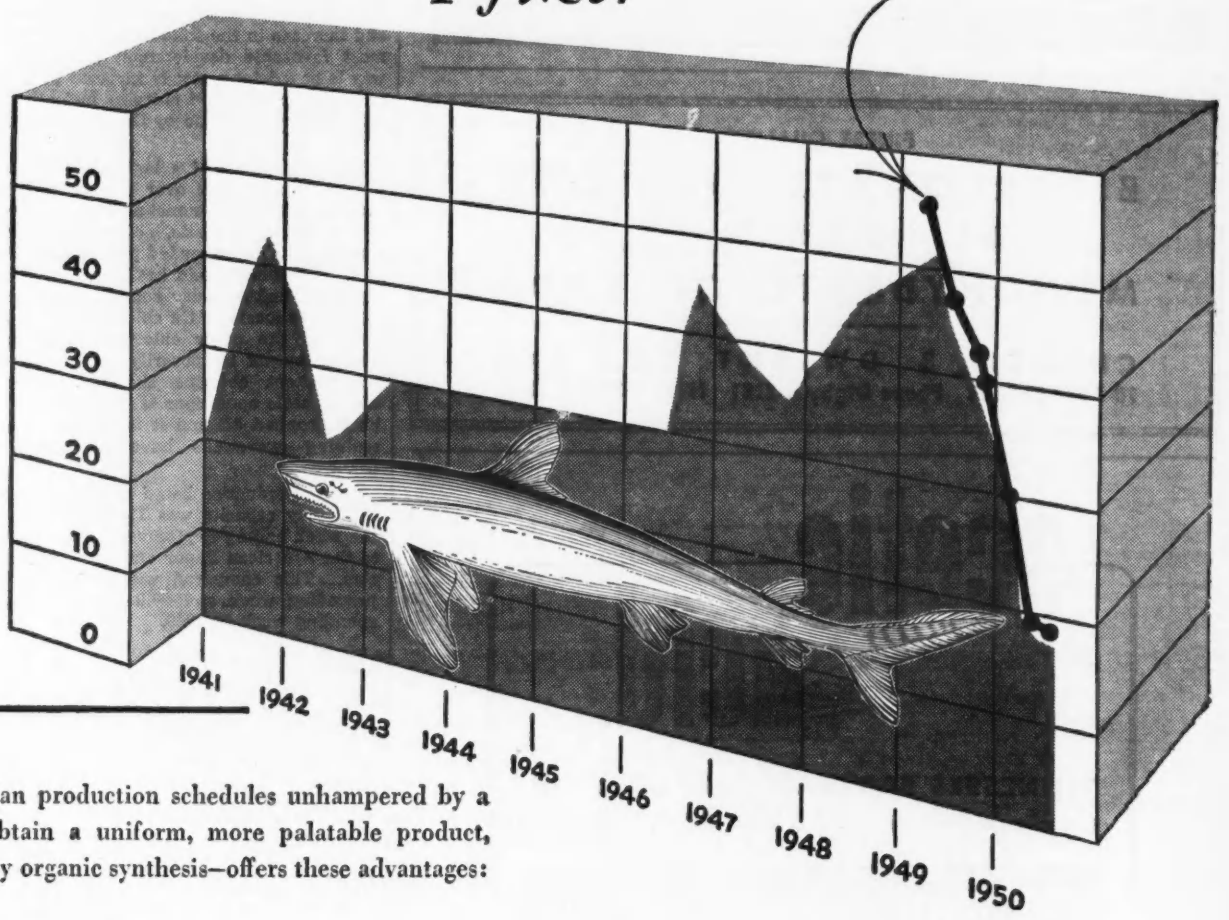

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Heavy Chemicals

Chemical index advanced to 233.8 last week, compared with 232.1 in the preceding period. The accompanying box lists the new price changes which will start the last quarter. It is apparent that producers can no longer afford to absorb the mounting producing costs of labor, freights, material and containers. Advances recently recorded in copper, lead and zinc have contributed strength to the metal based chemicals and future developments will have an important bearing in shaping the course of these markets over the last quarter.

Settlement of the alkali strike was the outstanding feature last week. Three plants were shut down since June 12 and another since July 24 while another lost about two weeks production beginning September 6. The lost production of soda ash and chlorine has seriously affected the output of many chemicals and short supplies will be reflected for many weeks ahead. While opinions vary as to the time that goods will start rolling from the strike-bound plants, it is expected that the movement will begin late this week and increase in the following period. The most favorable development is that the way is paved for a steady increase in soda ash, caustic soda and chlorine and all the other chemicals made by the strike-bound plants.

Buying interest of a legitimate character continued active over the turn of the month. Demand for nickel sulphate, copper sulphate, muriatic, chromic and sulphuric acids has exceeded production. The call for sulphuric acid has kept the crude sulphur market under considerable pressure. Producers of tin chloride as well as some of the other chlorides have suspended output temporarily on account of the current chlorine shortage. Meanwhile, resale operations at premium prices have dropped off and it is apparent that scalping operations have passed their peak.

Paper production based on a percentage of six-day capacity was 111.5 percent for the week ending September 23, according to the American Paper and Pulp Association. This compared with 108.9 in the preceding week and 94.9 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.

Ammoniac, Sal—Production of white granular is expected to start this week at a strike-bound plant. There were no inventories at this plant as all stocks were taken for government use early in the strike. It will be some time before a normal supply is established but the settlement of labor difficulties has at least improved supply prospects immensely.

Ammonium Bicarbonate—None of the cracker bakeries appear to have suffered severely during the strike period in which domestic production was entirely shut off. It was stated that enough imported material was secured to ease over the tight spots.

Carbon Bisulphide—Output was higher in July compared with the preceding month. The total was 36,585,251 pounds, against 34,168,800 in June.

Carbon Tetrachloride — Shortage of chlorine was fully reflected in the July production. The total was down to 14,696,553 pounds, against 20,039,857 in June. Prices were advanced on October 1 for less than carlots to 9½c. per pound, freight allowed East of the Rocky Mountains. Shipments are being allocated to regular customers.

Chlorine—Continued decidedly short of requirements but working into a better supply position with the resumption of output at plants that have been strike-bound for several weeks. Demand from the chemical and affiliated industries is active and producers do not look for any significant easement in supplies over the remainder of the year. Prices were advanced on October 1, establishing single unit tankcars at $2.70 for 100 pounds, multiple unit 3 cars or more to contract customers only $3.20, two cars same basis $3.80, one car $4.40, and multiple units less than 15 tons per year $4.75 per 100 pounds f.o.b. the works.

Copper Carbonate—Priced higher at $22 per 100 pounds for dark dense in 100-pound multi-wall paper bags and light fluffy in 50-pound bags carlots, and at $23.50 in less, f.o.b. the works. Carlots of fluffy in barrels are priced at $22.90 per 100 pounds, $24.40 for less. Dense in barrels is priced at $22.40 per 100 pounds and at $23.90 in less, all prices are f.o.b. the works.

Copper Cyanide—Priced higher at 52.3c. per pound to 54.3c. f.o.b. the works. The upward revision is a reflection of the increased cost of the metal.

Copper Sulphate — Exceedingly heavy demand for industrial use and a renewal of active buying for shipment to Florida have appreciably tightened the supply position. Deliveries are being made from production as there are no inventories and the movement is running about a month behind schedule. Export inquiry has also broadened particularly from South American countries and requirements have been only partially filled. The market situation is firm backed by the strong conditions prevailing in cooper

Nickel Sulphate—No improvement in buying conditions could be noted. Plating demand is heavy and in excess of production and shipments are being allocated to regular consumers.

Potash, Caustic—Supply prospects have been improved by the settlement of a strikes that kept an important plant idle since June 12. The current supply situation is distinctly tight with demand active and prices firm. No permanent easement in the availability of stocks is expected until normal output has been restored.

Potassium Carbonate — Like caustic potash, the supply outlook has been improved with production tagged for an increase. At present, stocks are definitely tight and will remain so until shipments from the formerly strike-bound plant start rolling in something like normal dimensions.

Soda Ash—Light ash advanced to $1.20 per 100 pounds in bulk, carlots, $1.50 in paper bags and $2.05 in barrels. Dense ash advanced to $1.30 per 100 pounds bulk in carlots, $1.60 in paper bags and $2.15 in barrels, all prices f.o.b. the works. The alkali strike has been settled and men returned to the plants last week. Most of the week was spent in preparation for production. Shipments are expected to start rolling in ten days to two weeks.

Soda, Caustic—Passing of the strike has paved the way for increased production and output is expected to reach capacity before the end of the month. Higher prices were made effective October 1. The breakdown shows solid 76 percent in drums, carlots $3.35 per 100 pounds, flakes, ground or powdered in drums $3.75, liquid 50 percent in sellers' tankcars $2.55 basis 76 percent, liquid 50 percent rayon grade basis 76 percent $2.65 in tankcars, 70-74 percent liquid in tankcars $2.65 basis 76 percent and 70-74 percent liquid rayon grades tankcars $2.75 per 100 pounds basis 76 percent, all prices f.o.b. the works.

Sodium Bisulphite—Priced higher at

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acid muriatic, carboys, 15c. per 100 lbs.
naphthenic, 220-230 acidity, 1c. per lb.
Aluminum metal, 1½c. per lb.
Carbon tetrachloride, tech., l.c.l., ½c. per lb.
Chlorine, 15c. per 100 lbs.
Copper carbonate, $1.10 per 100 lbs.
cyanide, 2.9c. per lb.
metal, 2c. per lb.
Quicksilver, $2 per flask.
Potassium silicate, 25c. per 100 lbs.
Selenium, 75c. per lb.
Soda ash, carlots, bulk, 10c. per 100 lbs.
caustic, 15c. per 100 lbs.
Sodium bifluoride, 25c. per 100 lbs.
bisulphite, 15c. per 100 lbs.
cyanide, 1c. per lb.
fluoride, 25c. per 100 lbs.
silicate, liquid, 10c. per 100 lbs.
solid, $5 per ton.
ortho, 75c. per 100 lbs.
stannate, 1.3c. per lb.
Tin chloride, 1.8c. per lb.
crystals, ¾c. per lb.
sulphate, 1.3c. per lb.
tetrachloride, 1½c. per lb.
Zinc cyanide, 3½c. per lb.
sulphate crystals, 70c. per 100 lbs.
powdered, 70c. per 100 lbs.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
233.8	232.1	225.5	216.4	218.9

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
122.3	122.3	122.2	121.8	121.8

(For Current Prices see Page 9)

$3.90 per 100 pounds for bags in carlots works and at $4.15 in smaller quantities. The advance is a reflection of the increased price for soda ash.

Sodium Cyanide—Priced higher at 17c. to 19c. per pound for drums, depending upon quantity. Higher producing costs responsible for the advance.

Sodium Phosphate—July production of meta amounted to 3,168 tons, against 3,475 in June and 1,940 in July last year. Output of tetra was 6,352 tons in July, compared with 7,937 in the preceding month and 4,837 tons in July, 1949. Production of acid pyro was 749 tons in July, against 614 in June and output for tripoly was 20,260 tons in July, compared with 19,082 tons in June.

Sodium Silicate—Prices were advanced 10c. per 100 pounds for liquid and $5 per ton for solid on October 1. Higher producing costs including basic material were responsible for the upward revision. Ortho silicate, anhydrous, was also higher at $6 per 100 pounds in carlots and $6.25 in less, f.o.b. the works.

Sodium Stannate—Priced higher in line with the metal. Producers name 58.2c. to 63.6c. per pound depending upon quantity, freight allowed East. Stocks definitely short.

Sodium Sulphate — Refined production amounted to 13,572 tons in July, compared with 13,846 in June and 7,562 tons in July, 1949.

Tin Salts—Priced higher for most items and based largely on metal at $1.04 per pound. The chlorides are exceedingly tight with production practically out on account of the difficulty in securing chlorine. The breakdown shows chloride stannous anhydrous at 87.84c. to 88.84c. per pound, crystals hydrous 72c., sulphate stannous 98.67c. to $1.0067 and tetrachloride anhydrous at 61½c. to 62½c. per pound. Tin oxide was unchanged at $1.05½ to $1.06½ per pound, all prices f.o.b. the works.

Zinc Cyanide — Prices have been ad-

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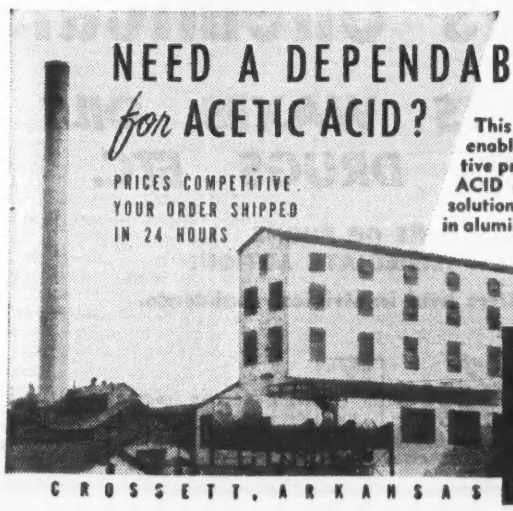

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Copper Chloride
Sodium Cyanide
Antimony Oxide
Ammonium Chloride
Cadmium Oxide
Cadmium Carbonate

CAUSTIC POTASH—SODA ASH
POTASSIUM CARBONATE

Ammonium Bicarbonate
Sodium Perborate
Potassium Permanganate
Potassium Metabisulfite

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vanced 3½c. per pound to 45.7c. to 47.7c. f.o.b. the works. The recent increase in the cost of metal was the primary cause for the upward revision.

Zinc Sulphate—Crystals were advanced last week to $6.85 per 100 pounds in carlots and to $7.25 in smaller quantities freight allowed. Flaked was advanced to $6.05 per 100 pounds in carlots and to $6.45 in less, delivered. An advance in the powdered grade was noted in our previous report. The late advance in the metal together with the increased cost of scrap were factors primarily responsible for the upward revision.

Acids

Acetic—Production of synthetic totaled 37,790,721 pounds in July, compared with 35,854,372 in June. The amount of recovered acid in July was 180,164,024 pounds, against 168,839,818 in the preceding month. The natural output was 1,729,688 pounds in July, compared with 1,778,416 in June. Demand for glacial was active with stocks tight and prices firm.

Muriatic—Carboys have been advanced 15c. per 100 pounds for all grades. Demand has continued exceedingly heavy and supplies are definitely tight with producers under considerable pressure for shipments.

Naphthenic—Higher prices have been established for 220-230 acidity test, with drums now held at 14c. per pound and tankcars at 12c. f.o.b. the works. There was no change in the 230-240 acidity. Demand is active with stocks leaning toward the short side.

Phosphoric—Held a fair degree of balance during the first half of September but has shown a tendency to tighten since that time. July production amounted to 141,640 tons, including 69,630 tons made from phosphorus and 72,010 from phosphate rock. The June total was revised to 135,526 tons and in July last year 109,669 tons were made.

Sulphuric—Heavy demand showed no indication of easement over the turn of the month. Stocks are short of requirements and the market supply position is definitely tight with prices firm but unchanged.

Nonferrous Metals

Aluminum—Priced higher at 18c. per pound for pigs and 19c. for ingots. Increased producing costs mainly labor were responsible for the upward revision. Demand heavy and exceeding the supply with production being allocated to regular consumers.

Copper—Electrolytic priced higher at 24½c. per pound delivered Valley and Midwest. Supply position has continued

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tight under maintenance of heavy demand. Producers' sales so far this month estimated at 170,000 tons.

Lead—No improvement in the available supply which remained tight. Demand was described as steady with the common grade priced at 16c. per pound at New York and at 15.80c. St. Louis.

Lead output from domestic mines dropped 15 percent in July to the lowest level since October, 1949, according to the Bureau of Mines. Production for the month, in terms of recoverable metal, was 31,138 short tons, an average of 1,004 tons per day compared with 36,713 tons in June produced at an average rate of 1,224 tons per day. The combined output of lead in Arkansas, Kansas, Missouri, and Oklahoma totaled 12,862 tons in July. No production was reported from Arkansas and output declined in the other three states. Mine output of lead in states East of the Mississippi river dropped 3 percent to 757 tons. In the combined western states production fell off 20 percent as the average daily rate of output declined from 733 tons in June to 565 tons in July. Every state except Montana and New Mexico reported a drop in production.

Platinum—Refining of platinum in the second quarter of 1950 was at a rate 34 percent more than in the preceding quarter and it was, as heretofore, inadequate for the much larger demand. Sales of platinum to domestic consumers by refiners and dealers who accounted for 93 percent of the total sold in 1949 were 66,107 ounces in the second quarter of 1950, which indicates that total sales to domestic consumers by all refiners and dealers were approximately 71,000 ounces, compared with 51,400 ounces in the preceding quarter. Sales of platinum for export, as reported to the Bureau of Mines by refiners and dealers, were 8,047 ounces in the second quarter compared with 1,844 ounces in the preceding quarter. Therefore, total sales to domestic consumers and for export were 48 percent more in the second quarter than in the preceding quarter. The deficit in domestic refining of platinum was met partly by imports of 33,339 ounces of refined metal and partly by withdrawals from stocks of refiners and dealers.

Quicksilver—Short stocks and an active demand have resulted in higher prices. Sellers are limiting spot shipments to five flasks to regular customers. The range was from $87 to $89 per flask at the close of the week.

San Francisco.—Supplies of quicksilver remain very tight here with metal quoted at $86 per flask.

Selenium—Mounting producing costs combined with high freight rates have resulted in the establishment of higher prices. Producers quote to dealers and distributors on the basis of $3 per pound for 100-pound drums, delivered. Stocks are not excessive and are leaning toward the tight side.

Silver—Continued steady over the turn of the month with demand sufficiently active to hold the price at its previous level. Bullion was quoted at 72¾c. per ounce in the New York market.

Tin—Price fluctuations were not as wide last week and the market showed some signs of stability. The same condition was noted in the London and Singapore markets. The prevailing price at the close of the week was $1.02½c. per pound for Grade A.

Advices from the Hague state that the International Tin Study Group reports mine production for July at 5,071 long tons of tin in Malaya, 2,792 in Indonesia, 1,236 in Belgian Congo and 595 long tons in Nigeria. Figures so far available for the month of August are from Malaya. Indonesia and the Belgian Congo at 752 tons, 2,829 and 1,509, respectively. The Indonesian figure is the highest monthly figure since December, 1948. World production of tin metal in July is estimated at 13,500 tons as compared with 15,100 in the previous month. United States imports of tin metal in July reached a post-war record of 11,621 tons.

Zinc — Buying conditions continued tight with demand active and the market firm. Prime western was unchanged at 17½c. per pound East St. Louis basis.

Average daily rate of zinc production from domestic mines in July fell off to 1,577 short tons per day, a 6 percent decline from the June level, and the smallest averaged daily output recorded since January 1950, according to the Bureau of Mines. Total July zinc production, in terms of recoverable metal was 48,898 tons compared with 50,184 tons in June. The output of zinc in states East of the Mississippi River dropped 1 percent in July. In Arkansas, Kansas, Missouri, and Oklahoma the combined production declined 6 percent; the decrease was shared by most of the large producers. The average daily rate of zinc output in the combined western states in July dropped 6 percent to the lowest level since December, 1949. Decreases of varying magnitude reported from Arizona, California, Nevada, Utah, and Washington were partly offset by substantial production gains in New Mexico and Montana.

Wyandotte Names Pariseau

Wyandotte Chemicals Corporation has named Paul R. Pariseau general sales manager of its Los Angeles, Calif., office. In his new post Mr. Pariseau will direct sales in the Los Angeles area on special product, special account and government sales. Thomas De Temple remains as Los Angeles district manager.

Trade Briefs

Carnegie Institute of Technology, Pittsburgh, Pa., has announced that examinations for ten Westinghouse scholarships, worth a total of $28,500, will be given on March 10, 1951.

Illinois Institute of Technology, Chicago, has named William E. Goode, former visiting lecturer in organic chemistry at the University of Illinois, instructor in chemistry.

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Typical Analysis:

NH_3 (min.)	14.5%
P_2O_5	61.0%
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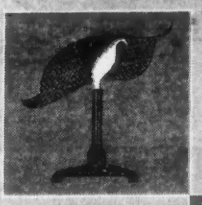
Meets all U. S. Pure Food Law requirements.
Grades: Crystalline, powdered F. F., and dentifrice.
Typical Analysis:

NH_3	25.3%
P_2O_5	53.5%
pH (1% solution)	8.0

USES OF VICTOR AMMONIUM PHOSPHATES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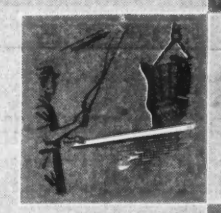
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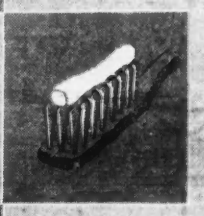
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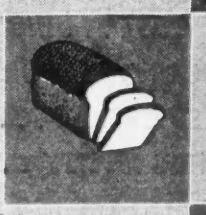
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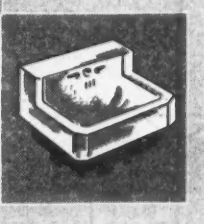
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SPECIFICATIONS

Crown Wax No.	Melting Point °F	Penetration 100 g., 5 sec.	Color N. P. A.	Acid Number	Saponification Number
23	180/185	6 max.	6 max.	20-25	55-65
36	180/185	8 max.	8 max.	30-35	85-95
1035	195/200	2 max.	2½ max.	Nil	Nil

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PWQ 50-1

Petroleum Derivatives

The strike picture cleared up last week as the walkouts that had affected the industry were ended, and while this was expected to ease some of the more severe pinch, it would not put everything back on an easy basis, for the market had been in a tight position before the strikes began. West Central Texas crude oil was up 7c. a barrel during the week and petrolatum in one direction advanced 3/8c. to 1/2c., depending on grade, although the low of the range remained intact. Advances from other quarters would not be unlikely.

Toluol and xylol were expected to continue tight despite the ending of the strikes. Higher boilers and blends were also far from free. Aliphatics were not over-abundant, but were sufficient to fill the normal needs of the market. Butane and propane were ready to move into their heavy Winter demand period. Microcrystalline and paraffin waxes were in the position that had held for some weeks. White mineral oils were unchanged, but not abundant. Heptane, hexane and pentane were in reasonably good demand, and the supply was up to the market's demands.

Solvents and Diluents

Aromatic Solvents—With the strike situation settled last week, some of the added pinch was off but toluol and xylol were still tight and were expected to remain that way. Demand continued high and prices were unchanged. Xylol was harder to come by than toluol.

Higher boilers continued tight, with no relief apparent. Blends were holding on price except for a few adjustments outside the New York area. Demand was good. Supply was tight but regular customers could generally be taken care of.

Cleaners' Naphtha—Supplies were sufficiently high to accommodate the needs of the market, although there was said to be a bit more tightness in general than there had been previously. The settlement of a strike at the midwest plant of one producer was expected to bring further easing to the situation. Demand remained at good levels and there were no indications that it would be otherwise in the immediate future. Prices were unchanged, with no signs that there were any revisions in prospect.

Lacquer Diluent—Prices held during the past week and were expected to go on doing so. Some quarters reported that supply was comfortable while in another direction it was said that it was ample but not over-abundant. Demand continued to hold up at an excellent level and there was no falling off expected in the near future.

Mineral Spirits—Demand continued at a good clip during the past period and supply, while sufficient to accommodate the needs of the market, was not so strong as to place the item on the long side. The supply was said to be such that a heavy upsurge in ordering might cause a considerable tightness in the market. Prices held at their previously noted levels and the indications were that they would continue that way for at least the immediate future.

Rubber Solvent—The call continued at a good pitch last week and the signs were that it would go on that way, especially with the reactivation of the government synthetic rubber program due early next year. Supplies were in good shape all around and now that the strike at the midwest plant of one producer has been settled, prospects for production were good. There were no changes reported in the price listings and there were none expected for the immediate days ahead.

Stoddard Solvent—Consuming interest remained good and the call for the item was at generally satisfactory levels during the period under review. Supplies, on the whole, were at good levels although there were some that stated they were not overabundant and that there was no real surplus available. As far as price was concerned, listings were holding at previously noted levels and were expected to stay there for at least the immediate future.

V. M. & P. Naphtha—Demand was good and was expected to stay that way. Stocks were at a level good enough to obviate any difficulty in the filling of orders. The price structure was firm during the week and the indications were that it would hold that way for the immediate future at least.

Market Trends

Prices Advanced

Petroleum, crude, west central Texas, 7c. per bbl.

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended September 16 totaled 237,155,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 236,438,000 barrels for the preceding week, this represents an increase of 717,000 barrels, comprising an increase of 889,000 barrels in stocks of domestic crude and a decrease of 172,000 barrels in stocks of foreign crude.

Lighter Fractions

LPG's—Butane and propane were both in good supply during the period under review. Makers of Winter motor fuel were already in the market for some butane, but their takings as yet were having only a minor effect on the supply situation. A greater effect was expected later. The Winter demand for propane was also expected to set in next month, and in one quarter it was said that this might have some effect on the price structure. At present prices in the group 3 area were holding at formerly established levels.

Waxes

Microcrystalline—Call was very heavy. Supply remained tight. Prices were without change.

Paraffin—The 3/8c. advance on spot was in effect on contract as of the first of the month. Demand was heavy but supply was not over-abundant.

Miscellaneous

Crude Oil—A boost of 7c. per barrel was effected last week for crude in West Central Texas. This represented an adjustment to bring prices more nearly in line with other prevailing figures, it was said. This made a range of $2.33 to $2.65.

Petrolatum—One producer announced during the week that it had advanced its listings 3/8c. to 1/2c., depending on grade, but in another quarter the prices were still unchanged, thus keeping the low of the range listings intact. This producer was studying its schedules, and pointed out that a rise was indicated because of market conditions. The range at the close of the week was:—Amber, 5c. to 5 1/4c. in carloads and 5 7/8c. to 6 1/8c. in less than carloads; cream, 6c. to 6 5/8c. in carloads and 7 1/4c. to 7 7/8c. in less than carloads; extra amber, 5 1/4c. to 5 1/2c. in carloads and 6 1/8c. to 6 3/8c. in less than carloads; USP white, lily, 6 3/8c. to 6 7/8c. in carloads and 7 5/8c. to 8 1/8c. in less than carloads; snow, 6 7/8c. to 7 3/8c. in carloads and 7 7/8c. to 8 3/8c. in less than carloads; soft, 6 5/8c. to 7 3/8c. in carloads and 7 5/8c. to 8c. in less than carloads; yellow, soft, 5 1/2c. to 6c. in carloads to 6 1/4c. to 6 1/2c. in less than carloads.

White Mineral Oils — No particular change was noted in this material last week. Supplies were sufficient to cover the needs of the market, but they were not abundant. Demand was holding up at good levels. Prices were without change.

Los Angeles Petroleum Market

The solvent and diluent market continues without change and ample supplies are reported to meet the routine demand. Lacquer diluent price listings are unchanged from 16 1/2c. to 20 1/2c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Cleaning solvent, including Stoddard, quoted from 15 1/2c. to 19 1/2c. per gallon, same basis.

Demand continues fair for L.P.G.'s with the supply position considered more than adequate to meet present inquiry. Propane and butane are both quoted at 5.3c. per gallon, tankcars f.o.b. Los Angeles.

The call for high melting point waxes remains at a good level with supplies continuing equal to present demand. Prices quoted as follows:—122/128 ASTM, carload, loose slab f.o.b. shippers refinery, San Francisco, .0695c. per pound; 142/147 ASTM, same basis, .0705c. per pound; 146/148 ASTM, same basis, .0715c. per pound; 157/162 ASTM, same basis, .078c. per pound. Tankcar prices quoted at .0655c., .0665c., .0675c. and .074c. per pound respectively.

For Late Market Developments, See Page 4

Textile and Leather Chemicals

While demand for textile and leather chemicals was fairly active last week, the volume of business was noticeably smaller in most materials than heretofore, as a result of favorable war news from Korea. The market remained firm and recent price advances were closely maintained especially for the chemical group. Higher schedules for contracts for delivery during the last quarter of the year became effective October 1 for bichromates, sodium and zinc hydrosulphite and sodium peroxide. The only decline noted was in potato starch, which was off fractionally.

Tight supply condition still existed in bichromates and sodium hydrosulphite due to the scarcity of soda ash, production of which was at a standstill because of strikes during the past three months. The strikes were settled last week and production resumed, but little improvement in the supply situation was expected for several weeks.

Withdrawals of sizing materials continued active against current orders, especially for corn dextrin and starch. Prospects of a large production of potato starch due to a heavy potato crop, caused producers to lower the price of carlots fractionally. Grinders in Maine were scheduled to start production this week. Firmer Brazilian tapioca flour market for shipment and light stocks here stiffened the local situation, though quotations were unchanged.

In tanning materials, buying interest lagged for most items, except wattle bark and extract and quebracho extract. Offers of wattle for shipment were still limited and firmly held. Prices of quebracho extract were unchanged and steady.

Market Trends

Prices Advanced

Hydrogen peroxide, 1c. per lb.
Sodium peroxide, 1c. per lb.

Prices Reduced

Potato starch, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
249.3	249.3	253.4	286.0	310.0

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride — Market remained steady under active demand for prompt delivery. Prices were maintained at current levels.

Bichromates—Consuming demand continued above available supplies. Market was strong at the recent advance. Due to scarcity of material export business was turned down with producers allocating stocks to regular customers. Tight soda ash condition still exists and little improvement in the supply situation is expected for several weeks. Strikes at soda ash plants have been settled and production resumed at some of the plants last week.

Sodium Acetate — Business was reported of good volume for prompt requirements. Market was firm and quotably unchanged.

Sodium Hydrosulphite—Scarcity of soda ash continued to affect production. Improvement in the tight supply condition depends upon the flow of ash, which is not expected to reach sizable quantities for several weeks. Prices of hydrosulphite were firm at the recent advance.

Sodium Peroxide—Higher production costs resulted the price advance of 1c. per pound. Carlots were lifted to 19c. drums, and to 19½c. to 20c. for smaller quantities, delivered east of the Mississippi. Hydrogen peroxide also was advanced 1c. Thirty-five percent was quoted at 20¾c. per pound, tankcars and 21½c. drums, carlots. Smaller lots ranged from 22c. to 26½c., drums, as to quantity.

Sulphonated Oils—High cost of basic materials kept market firm. Trading was fairly active for prompt delivery. Sulphonated grades of castor oil and tallow were without change.

Sizing Materials

Albumen Blood—Albumen and dried soluble blood continued in active request for prompt requirements. Market was quotably unchanged and steady.

Corn Dextrin—Firm conditions continued to prevail in the market. Demand was active and with production sold ahead, supplies were allocated, chiefly to regular customers. Prices were unchanged for all grades. Sellers continued to accept orders at the price on date of shipment.

Corn Starch—A good movement continued for prompt delivery, which kept production sold up. Prices were maintained at former levels, with sellers accepting orders only at the price on the date of shipment. Visible corn supply declined 471,000 bushels to 38,301,000 bushels for the week ended September 23, compared with 6,748,000 bushels for the corresponding week last year, according to Chicago Board of Trade.

Egg Albumen—Trading was moderate as buyers confined interest to immediate requirements. Market was steady. Prices covered a wide range for flake, according to seller. Edible flake was quoted at $1.28 to $1.35 per pound, as to quantity and seller. Technical was unchanged and steady at 75c. to 80c. per pound, as to quantity.

Egg Yolk — This market remained steady. Business was fairly active chiefly to prompt needs. Prices were maintained at $1.16 to $1.18 per pound, depending upon quantity. Demand for Chinese yolk on spot was moderate, with trading noted at 89c. to 90c. per pound, duty paid according to quantity. Announcement of the President's proclamation cancelling the tariff concessions on Chinese yolk was expected daily. This would increase rate of duty to 10c. to 27c. per pound on imports from China.

Potato Starch—New production which is expected to be in full swing this week and prospects of a big potato crop brought out increased offerings at a reduction of ¼c. per pound. Carlots were lowered to 5c. per pound, carlots, f.o.b. Maine mills, while 5¼c. was maintained, f.o.b. Idaho. Trading was fairly active for prompt delivery. Supplies on the spot were unchanged at 7½c. to 7¾c. per pound, ex warehouse, as to quantity.

Sago Flour—While demand was limited, the market was firm reflecting the high cost of replacements. Shipments were quoted at 7.20c. per pound, ex dock. Stocks on spot ranged from 7½c. to 8c. per pound, as to quantity.

Tapioca Flour—Higher cost of replacements further strengthened the local market, though quotations were unchanged. Brazilian high grades was well held at 7½c. to 7¾c. per pound; medium, 7c. to 7¼c. and low, 6c. to 6¼c., spot delivery, as to quantity. Siamese was steady for shipment at 5½c. per pound, ex dock and low at 5c., same basis for round lots.

Tanning Materials

Chestnut Extract—Buying interest was confined to actual requirements. Prices were without change.

Cutch—Firm conditions at primary centers kept cost of replacements steady. Shipments were maintained at 6¾c. per pound, ex dock.

Mangrove Bark—Business was spotty. Tanners restricted demand to prompt shipment. Prices were without change and steady.

Myrobalans—Tanners displayed a fair inquiry for shipment. Business was reported light and spotty. Prompt shipments were well held at former levels.

Quebracho Extract—This market remained firm. Offers for shipment were not heavy and held at former levels. Consuming inquiry was moderate mainly for prompt shipment.

Sumac-Extract—High cost of sumac for shipment from primary centers kept prices for extract firm. Favorable weather conditions in Sicily during the present growing season raised estimate of 1950 sumac crop to 12,000 metric tons. Because of low prices and high labor costs it is believed that not more than 4,000 tons will be harvested. Trade circles estimate stocks between 1,000 to 1,500 tons. Foreign demand has been active and if the market continues firm, producers may be encouraged to lay in larger stocks. Exports during the first three months of 1950 totaled 800 tons, compared with 918 tons for the same time last year. These shipments went chiefly to France, Germany and United Kingdom.

Valonia—Interest in replacements was reported slow. Shipments of cups were well held at $55 per ton, ex dock. Higher prices named for shipments of extract, caused consumers to withdraw from the market.

Wattle—Tanners continued to show active interest in obtaining replacements of bark and extract. Offers for shipments were scarce and market firm. Prices were maintained at current levels.

For Late Market Developments, See Page 4

Monsanto Chem. Issues Data On Synthetic Size for Warps

Technical information on application of "Stymer S," a synthetic size for synthetic warps, is described in a new, illustrated booklet issued by the Merrimac Division of Monsanto Chemical Company, Everett, Mass. Containing a number of charts, photographs and line drawings, the booklet covers the advantages of "Stymer S" in mixing, sizing, weaving and de-sizing. Preparation of size, slashing acetate and viscose, and weaving "Stymer S" sized warps are also discussed.

Qualitative and quantitative tests to distinguish between "Stymer S" and protein-type warp sizing agents on yarn or greige goods are included.

N.Y. Textile Chemists Set Meeting October 13

The New York section of the American Association of Textile Chemists and Colorists will hold its first meeting of the 1950-51 season on October 13 at 8 p.m. at Kohler's Swiss Chalet, Rochelle Park, N. J. Speaker of the evening will be William F. Brosnan, president of the Esquire Processing Company.

At the same time, the organization released a schedule of forthcoming events. Dates and places of future meetings follow:—November 17, Swiss Chalet; January 12 and February 23, New Yorker hotel, New York; March 30 and May 4, Swiss Chalet, and June 15, the outing.

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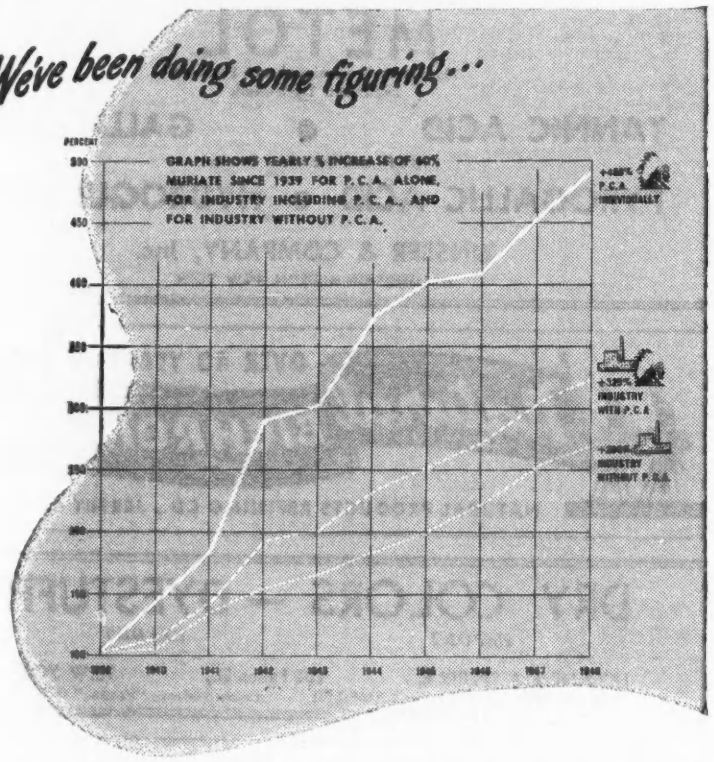
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Agricultural Chemicals

Producers of domestic urea advanced prices last week. Higher manufacturing costs were primarily responsible for the upward revision. Hoof meal was fractionally higher at Chicago because the fertilizer trade required additional stocks. Dried blood was lower in the West where some attempt was made to stimulate business at the expense of prices. Bone meal was moderately active and unchanged. Sales of menhaden meal were made at former prices and the fishing season is rapidly approaching its close with operations interrupted during the last two week on account of bad weather. No castor pomace was offered and it looked as though prices might be higher when stocks were made available.

Chloropicrin was priced higher in the pesticide list with producers experiencing difficulty in securing cylinders. There was no significant easement in the supply of BHC and DDT. Buyers realizing the shortage of basic materials are purchasing ahead to be assured of an inventory for Spring use. There was some future buying of lead arsenate also. The basic fertilizer chemicals were firm with both grades of ammonium sulphate showing a tendency to harden. Potash shipments continued to be interrupted by spasmodic periods of boxcar shortage. Ammonium nitrate remained definitely tight. Phosphate rock held its late advance and superphosphate continued to command seasonal interest.

Combined tag sales and shipment reports from 9 southern and 3 midwestern states for the month of August, as compiled by the National Fertilizer Association, showed a 38½ percent increase over the corresponding figure for August 1949. Exclusive of North Carolina and Oklahoma, whose August figures will not be available until the next issue of this report, the equivalent fertilizer tonnage covered by tag sales and shipment reports totaled 349,922. Of this amount 163,500 tons (55 percent more than a year ago) were reported by the Midwest. Cumulative January-July totals show a 3 percent increase in the South and a 16 percent rise in the Midwest, from 1949 to 1950; the aggregate increase amounts to about 5 percent.

Production figures appearing below, unless otherwise designated, are from the Chemical Division of the Tariff Commission.

Nitrogenates

Ammonium Sulphate—Shipments of coke-oven sulphate running about flush with production and preventing any excess stocks. Converters' material for export limited and it was stated that no new loadings were available before the last half of November. Prices of both grades continued firm with a tendency to advance.

Bone Meal—Moderate sales reported for both feed and fertilizer. Stocks of domestic fair with prompt shipments of raw available at $62.50 per ton, carlots, and $60 for steamed f.o.b. the works.

Castor Pomace—Market bare of offerings and one producer is shut down temporarily. The last sales were made at $32.50 per ton in bags, carlots, works. In some trade quarters it was stated that higher prices are likely to be named when stocks are available.

Dried Blood—Lower at Chicago with sales at $8.25 per unit of ammonia. New York was unchanged at $8.50. No unusual activity with the West shading prices in an effort to stimulate business.

Fish Meal—Sales of menhaden noted at $130 per ton, Baltimore area. The fishing season is nearing its close with catch poor during the past two weeks on account of bad weather. It was stated that some boats have been laid up for the season.

Hoof Meal—Some business was reported at $7.25 per unit of ammonia, Chicago basis. This is an advance of 25c. Not much demand, not much available at present.

Sodium Nitrate—Demand sustained at a satisfactory seasonal level with stocks meeting requirements at former price levels. Domestic production is expected to increase shortly with improvement in soda ash output.

Tankage—Prices continued steady last week with buying moderate and confined to the feed trade. The local price was $8.50 per unit of ammonia, while Chicago named $9.

Urea—Priced higher at 4¾c. per pound for carlots, and 5¼c. for less, for 46 percent nitrogen in bags for domestic at works. The 42 percent grade in bulk is priced at $99 per ton, freight allowed East. Maintenance of high producing costs prompted the upward price revision.

Market Trends

Prices Advanced

Chloropicrin, 4c. to 10c. per lb.
Hoof meal, Chicago, 25c. per unit of ammonia.
Urea, domestic, $5 per ton.

Prices Reduced

Dried blood, Chicago, 25c. per unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
82.2	82.2	82.2	81.6	81.6

(For Current Prices see Page 9)

Phosphates

Phosphate Rock—Market held a firm position with contract shipments finding a steady seasonal outlet. While a number of export inquiries were in the market, actual sales were reported slow. There seemed to be a disposition on the part of foreign buyers to await price developments in the North African market. It was stated that the freight situation is out of balance at present and this may have affected the consummation of foreign sales.

Superphosphate—Although the July output of all types of superphosphate (715,000 short tons, basis 18 ercent a-p-a) was over 100,000 tons below that of the same month last year, the carry-over from June resulted in a total supply of 1,895,000 tons, roughly 100,000 tons more than at the same stage of 1949. Stocks on hand at acidulating plants at the end of July totaled 1,294,500 tons, or about 130,000 tons more than a year earlier. Production during the current year, as summarized jointly by the National Fertilizer Association and the Census Bureau, is running slightly higher than during the first seven months of 1949, the increase being entirely the result of the rise in output of the concentrated type.

Potashes

Market situation firm with demand strong. Production has been kept at plant capacity and shipments have moved on to contract consumers from production. The boxcar shortage has remained about the same with spasmodic shortages temporarily interrupting the movement but not too seriously to date. No new developments were uncovered in imported material.

Los Angeles Fertilizer Market

Los Angeles.—Activity was generally spotty throughout the local market for both organic and inorganic fertilizers. Prices, firm in the inorganic line, showed signs of strengthening for organics with increases reported for both blood and fish meals. Fish meal offerings have been scarce, particularly sardine in the San Francisco Bay area due to poor catches so far this season. The shortage of rolling stock for Canadian railroads has further hampered incoming shipments of inorganic materials originating from that point. Two shipments of calcium nitrate from Norway are expected to reach this market the first part of October.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles. Canadian material quoted $70.93 per ton, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16 20 grade, f.o.b. Los Angeles. 11 48 grade quoted $89.65 per ton, f.o.b. Los Angeles. Canadian material. Ammonia sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material same bagged. $2.50 less in bulk. Blood meal, $7.25 per unit of ammonia at source. Bone meal, $70 per ton nominal for imported, steamed, 1/30 meal, f.o.b. Los Angeles. Domestic quoted $70 per ton, f.o.b. Los Angeles. Calcium nitrate, $44.25 per ton, 15½ percent nitrate, c.i.f., Los Angeles Harbor. Fish meal, $136.50, $139.75 per ton for 65 percent sardine, f.o.b. Los Angeles. $150.75 per ton for 67 percent sardine, f.o.b. San Francisco. $114 per ton for 59-62 percent tuna, f.o.b. Los Angeles. $126 per ton for 60 percent mackerel, f.o.b. San

Fertilizer Tag Sales: August

	Equivalent tons August 1950	August 1949	Jan.-July 1950
Virginia	39,735	36,379	519,782
North Carolina		15,795	1,433,033
South Carolina	26,500	13,744	713,335
Georgia	20,105	8,929	963,471
Florida	34,999	42,134	617,445
Alabama	13,933	8,270	856,380
Tennessee	9,478	5,663	387,762
Arkansas	9,694	4,329	303,371
Louisiana	8,179	7,044	209,127
Texas	23,808	20,210	346,681
Oklahoma	.....	10,469	92,132
Total South		173,166	6,442,919
Indiana	71,333	50,820	567,064
Kentucky	45,751	22,031	417,373
Missouri	46,394	32,860	335,370
Total Midwest	163,500	105,711	1,319,807
Grand total	.....	278,877	7,762,726

For Late Market Developments, See Page 4

Francisco Bay Area. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 48½c. per unit bulk, f.o.b. Trona. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $23.20 per ton bulk, f.o.b. Los Angeles area. $2.50 additional for bags. Triple, $68.50-$72 per ton in bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $5.25-$5.50 per unit of ammonia at producing plant.

Pesticides

BHC—July production amounted to 5,272,128 pounds, compared with 5,710,524 in the preceding month. The gamma isomer content of BHC in July was 710,390 pounds, against 750,674 in June. Demand continued active both for prompt and future shipments, with stocks tight and prices firm.

Calcium Arsenate—Active season is over for this material with consumption said to be considerably larger than in recent years as a result of shortages developing in competing synthetics. Inventories are believed to be relatively small. The market position is firm, backed by the recent increase in the price of arsenic.

Chloropicrin—Priced higher in response to constantly mounting producing costs. Demand is steady with stocks equal to requirements and the only bottleneck is a shortage of cylinders. The breakdown shows commercial bottles at $1.50 per pound; cylinders, 180 pounds, 95c.; cylinders, 100 pounds, 97c., and 25-pound cylinders, $1.22 per pound, all freight allowed.

2,4-D—Demand relaxed for the season. July production totaled 1,097,315 pounds, compared with 1,230,931 in June.

DDT—Production in July was placed at 5,943,990 pounds, compared with 6,026,209 in June. No easement could be noted in demand, while stocks remained definitely short with buyers showing a disposition to cover future requirements.

Lead Arsenate—According to trade reports, there was an exceptionally small carryover this season. Inquiries are now reaching the market for future requirements and there is some disposition to create inventories for Spring use. Municipalities have also shown interest for Fall spraying and Cuba has purchased stocks for prompt shipment.

Sulphur

Market maintained a firm position under an exceedingly strong demand. Shipments for the production of sulphuric acid have continued on an enormous scale and acid is still short of requirements. The necessity of meeting the domestic demand has forced the curtailment of export sales. A split quotation for domestic use prevailed at the mines, the range extending from $18 to $20 per long ton.

Michigan Chemical Offers New Warfarin Rodenticide

Michigan Chemical Corporation, St. Louis, Mo., has begun marketing a powerful, new-type rat and mouse killer under the trade name "Ratmaster." The new product contains the active ingredient "Warfarin," formerly known as Compound No. 42, which basic material is a development of research work at the University of Wisconsin.

"Warfarin" has been tested by the Fish and Wildlife Service and is approved by that agency, as well as by the Public Health Service and the Department of Agriculture. Rodenticides containing "Warfarin" are considered unusually safe, since repeated doses are required for fatal results. Michigan Chemical's "Ratmaster" is packed in one-half pound packages and in fifty pound bulk packages for the pest control industry and other commercial users.

Barrett Division Appoints Ireland District Agronomist

The Barrett Division, Allied Chemical & Dye Corporation, New York, has appointed Carrol F. Ireland as district agronomist to cover Virginia, Maryland, Delaware and West Virginia, with headquarters at Barrett's new office in the Travelers Building, Richmond, Va. Mr. Ireland was formerly associated with the Borden Company, Stuart, Fla., where he served as chemist and plant manager. As district agronomist, he will have charge of the field research, development and promotion of Barrett nitrogen products, both materials for direct application, which includes nitrate of soda, "A-N-L" brand fertilizer compound and other nitrogen fertilizer materials distributed by the company.

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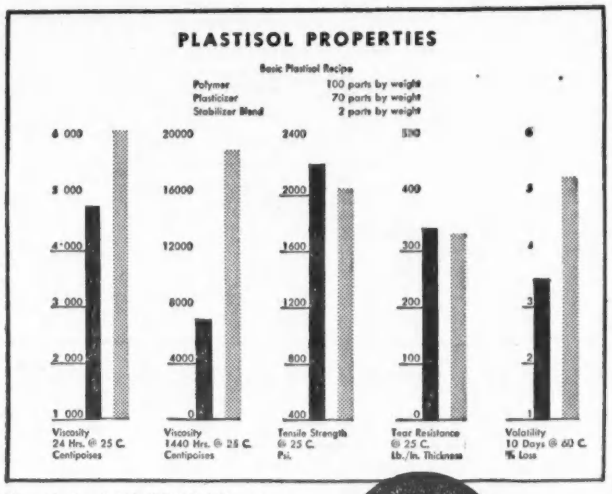

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Coaltar Chemicals

Dyestuffs were generally higher under price schedules effective October 1 on contract. The higher dye prices were a reflection of the wide range of intermediates which have over recent weeks, and for the fourth quarter, undergone price increases; some of them making two or three advances during the past quarter. Rubber accelerators were generally up 4 cents per pound. Paranitroanilin was advanced 2 cents per pound for all quantities.

Phthalic anhydride under price schedules effective October 1 was quoted at a 3 cents per pound price spread between different producers. Throughout the industry phthalic was priced at different levels with announced advances taking effect at various times, and in some quarters the price was not advanced at all.

The strike in a major tar distillation plant in effect since July 1 has not as yet been settled. Strikes in the alkali industry were reported settled, with most plants expecting to get back into production in a matter of ten days or two weeks, at which time more chlorine for intermediate manufacture will become available. The relief in the caustic supply will also be welcomed by producers of naphthol intermediate chemicals.

Benzol by the week-end was generally 5 cents per gallon higher at all shipping points. Cresylic and phenolic materials were critically scarce, and there was no immediate prospect of any substantial easing of supplies. Certain intermediates which have been scarce were felt likely to be easier in another month because of the more ready availability of chlorine and caustic soda. This would be more particularly applicable to naphthalene derivatives than to benzol derivatives, because of the acute benzol shortage.

Steel production last week hit an all time high, with production for the week ended September 30 scheduled at 1,942,200 tons of ingots and castings. This was equivalent to 100.7 percent of theoretical capacity. The previous week production amounted to 1,936,400 tons, and one year ago it was 1,559,600 tons.

Basic Products

Benzol—By the end of last week prices at all points had been established at their new higher levels. Supplies were critically short, and material was being brought in from foreign sources at high prices amounting to several cents per gallon over the domestic production. In addition much of this imported material had to be redistilled before it was in shape for use as a chemical intermediate in the manufacture of monochlorobenzene and other intermediates. The benzol shortage was reflected in shortages of its important large volume derivatives.

With settlement of the alkali strike in all major plants, resumption of chlorine production was expected to be underway in ten days to two weeks. The greater availability of chlorine which will result will serve to put still more pressure on benzol.

The general pattern of price advances which were made in the last two weeks was a matter of a 5 cent per gallon increase at virtually all points.

Coaltar—There was nothing new to report in this market, after the adustments reported in the previous issue on resale material. Supplies were regarded as adequate.

Cresote — The price adjustments initiated the previous week were not as yet entirely clarified. In some quarters crude was still quoted at 18 cents per gallon and in other quarters at 20 cents per gallon. The refined material was likewise up some 2 cents per gallon but the adjustment was not as yet general. Meanwhile, supplies were said to be adequate to take care of the good demand which continued to characterize the crude market. Imported material moved in good quantity.

Cresol — These materials were in an acute scarcity, and domestic production lagged far behind the needs of consuming industries. For the manufacture of plasticizers and resins, consumers were using as much cresol as they could get, and filled out their needs as best they could with cresylic acid, and finally, with petroleum cresylics which were more readily available than coaltar source materials. In recent months, because of the scarcity of coaltar cresol and low boil acids, some producers of plasticizers based on petroleum cresylic acid, did a strong sales promotion job on the latter, in order to get as wide a trade acceptance as possible on the more readily available material. The result has been a tightening up of the supplies on petroleum cresylic materials, particularly on certain grades.

Cresol prices did not advance with the latest price movement on cresylic acid. It was felt in most quarters that the market would remain seriously short but at a firm price level during the fourth quarter.

Cresylic Acid—Petroleum source acids were firm in price, although at the first of September there was a price increase, as previously reported, on one grade of acid. The material boiling in the range of 195° to 213°C was under heavy demand, and was quoted under the new price schedule at 50 cents per gallon in tankcars, 60½ cents in drum carlots, 62½ cents in lots of 20 to 64 drums, and 64½ cents per gallon in lots of 1 to 19 drums. These prices were f.o.b. San Francisco Bay area and the Los Angeles basin. In less than carlot quantities f.o.b. warehouse at Barbar, New Jersey, the price was 80½ cents per gallon. Other boiling range materials were unchanged from prices which have prevailed in the market since April.

There was the usual critical shortage of all coaltar source cresylic acid. The low boil material being in heavier demand and shorter supply than the high boil. Imported acid was seriously short in many quarters, but occasionally there were small lots to be had. Prices were high, and the drum shortage in England continued to hamper shipment.

Naphthalene—This basic coaltar derivative was in a less serious supply position than the phenolics, cresylics, and aromatic solvents. A reasonable balance between supply and demand was reported, under the influence of continued substantial imports, but the volume of imports had in recent weeks dropped significantly below former levels as a result of what was regarded in many purchasing circles as a deliberate action on the part of foreign sellers, in an attempt to hold out for higher prices. Meanwhile, following a 1 cent per pound price advance in domestic production, the imported market strengthened pricewise, and whether or not this would tend to restore import volume to its former level was a matter of conjecture.

The demand for the manufacture of phthalic anhydride continued at an almost unprecedented volume. With the settlement of the alkali strike which had for several months curtailed some 60 percent of the nation's caustic output, production of caustic was expected to get underway in a matter of ten days to two weeks, at which time more alkali would be available for the manufacture of certain naphthol type dyestuff and pigment intermediates. These products, such as betanaphthol and betahydroxynaphthoic acid had in recent weeks been in short supply because of the lack of caustic soda. The result was a

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Diorthotolylguanidin, 4c. per lb.
Diphenylguanidin, 4c. per lb.
Mercaptobenzothiazole, 4c. per lb.
Mercaptobenzothiazyldisulphide, 4c. per lb.
Paranitroanilin, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
123.2	123.2	119.0	110.1	110.1

(For Current Prices see Page 9)

Coke By-Products

Total estimate of by-product coke-oven operations in the week ended September 30 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	946,939
Ammonia sulphate	lbs.	32,688,860
Benzol	gals.	3,191,054
Coaltar	gals.	14,529,282
Creosote oil	gals.	573,729
Naphthalene, crude	lbs.	1,984,680
Pyridin, refined	lbs.	23,349
Toluol	gals.	603,187
Xylol	gals.	155,661

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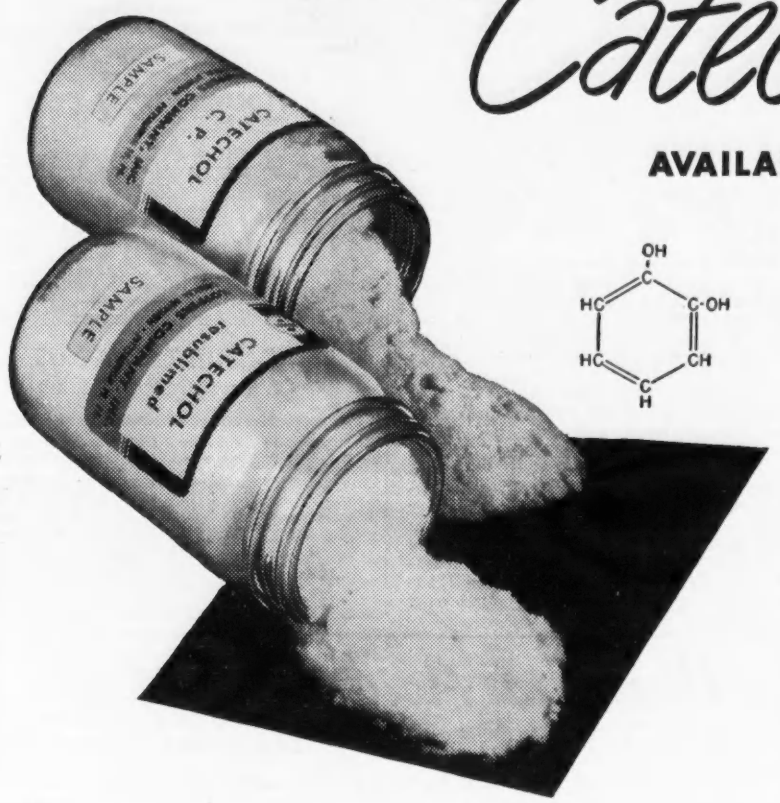

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backlog of demand which will now exert a greater pressure on naphthalene.

Phenol—Settlement of the alkali strikes last week was expected to result in most plants getting back into production within a matter of ten days to two weeks, after which more chlorine would again be available. To what extent this would relieve the phenol shortage by increasing output could not as yet be estimated. That it would have some effect was felt certain, but there still remained the problem of the overall benzol shortage, with increasing amounts of benzol going into rubber production and reserve by way of styrene.

Consequently, for the weeks immediately ahead, there was no prospect other than an exceedingly tight market for this item. Natural phenol was in acute scarcity. Prices on both natural and synthetic were unchanged. The effect on benzol availability as a result of the new inventory regulation No. 1 of NPA could not be determined.

Pyridin—The higher price schedules established last week, following initial moves in this direction by some quarters in August, gave the market a tone of price stability, and no further changes were expected during the coming quarter. Refined 2 degree material moved in less than carlot quantities at 90 cents per pound. Supplies were considerably below the potential and the actual demand, resulting in a heavy backlog of orders, and many orders going begging. There was expected a seasonal increase of demand, with no apparent means of supplying it. All available production was moving to established accounts, and there was virtually no spot material to be had.

Solvent Naphtha — Heavy demand against limited supplies characterized this market, and there was no expected relief from the present shortages to be seen in the immediate future. Material moved from production to established accounts without too much delay, but there was virtually nothing to be had on spot. Prices were unchanged.

Toluol—Prices held to former levels. Demand was heavy against inadequate supplies resulting in a tight market. Settlement of the strike in the plant of a petroleum source producer was felt likely to provide some easing of the overall supply, compared with that of recent weeks. Established accounts were being taken care of with reasonable promptness, but spot sales were being delivered with some reported delay. Quotations at St. Louis were listed at 30 cents per gallon.

Xylol—Coaltar source material was still acutely scarce, with sales limited mostly to established accounts. The overall demand for xylol was strong, and the total supply was less than the demand resulting in a shortage. Prices were unchanged, but coaltar source material at Pittsburgh was quoted at different prices between different producers, resulting in a price spread at this shipping point of 26 to 29 cents per gallon. This situation has existed since early September.

Dyes

The steadily rising price structure on almost all dyestuff ingredients covering the whole wide range of intermediates, has resulted in a general upward price adjustment in dyestuff prices effective October 1 on contract.

Intermediates

Diorthotolylguanidine—This rubber accelerator advanced 4 cents per pound October 1, bringing ton lots on a delivered basis to 52 cents per pound, and less than ton lots to 53 cents.

Diphenylguanidin—Prices moved up 4 cents per pound October 1. This brought ton lots to a level of 43 cents per pound, and less than ton lots to 44 cents. Back of the price rise was the steadily increasing cost of raw materials, manufacturing, and shipping, which accumulated to a point where prices had to be adjusted upward to partially offset the higher costs.

H Acid—Demand was strong against limited supplies. Prices were firm at 80 cents per pound for all quantities, f.o.b. manufacturing plant.

Koch Acid—On a freight allowed basis East of the Mississippi river, this intermediate was priced at 64 cents per pound. Demand was reported as good against supplies which were considered relatively adequate, the item not being as tight as some of the other intermediates such as J and S acids.

Mercaptobenzothiazole — This rubber accelerator, which in recent years has been steadily increasing in use, superseding some of the other types according to Tariff Commission production reports, was advanced in price October 1 by 4 cents per pound. Under the new price

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schedule ton lots were quoted at 34 cents per pound and less than ton lots at 36 cents.

Mercaptobenzothiazyldisulphide — After a 4 cent price advance as the result of accumulated increased raw material, manufacturing, and shipping costs, the new October 1 price structure on this item listed ton lots at 42 cents per pound, and less than ton lots at 44 cents.

Paranitroanilin — Prices advanced 2 cents per pound October 1 on contract and spot sales. This brought the current quotations to 45½ cents per pound in carlot drum quantities, and 48½ cents in less than carlot drum shipments. Back of the price advance, of course, was the increased cost of raw materials and higher manufacturing and shipping costs. Supplies were tight, reflecting the benzol shortage.

Phthalic Anhydride—This market from a price standpoint was still very much unsettled, with price quotations between different producers ranging as wide as 3 cents per pound. Some producers who in April established a price of 17½ cents per pound in carlot bag quantities, were still holding to that price and by October 1 had not sent out any announcements of any price advance, and were in fact not decided upon making any change, despite the higher price of naphthalene.

There were other producers who announced price advances of 1½ cents per pound effective October 1, and others with whom the 1½ cent price advance does not become effective until November 1. Meanwhile, some producers advanced prices 1½ cents per pound over the 17½ cent figure in September, and another 1½ cents per pound effective October 1, bringing the net price increase since April to 3 cents per pound. In some

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quarters, accordingly, carlot bag quantities were quoted at 20½ cents per pound.

This, however, brings to mind the fact that prior to April, at comparable naphthalene prices, phthalic anhydride was quoted at 21½ cents per pound in carlots. At that time business was very slow, stocks were piled up, and plants were sharply curtailing operations. Under these competitive conditions, due only in small part to a 1 cent per pound drop in naphthalene, phthalic anhydride dropped 4 cents per pound. This 4 cent drop has not been restored with the recent 1 cent advance in naphthalene, and it looked at this time as if it would not be restored prior to the end of the year.

On the West Coast, following a 1½ cent per pound price advance, phthalic anhydride was quoted at 19 cents per pound in bag carlots, and 20 cents in less than carlot bag quantities.

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Kraft Chemical Company, Chicago, is now the exclusive midwest agent for the Tyson Corporation, manufacturer of rubber substitutes and vulcanized vegetable oils. This is in addition to Kraft's present line of rubber chemicals and supplies. Full laboratory facilities are available to supply technical advice, suggest correct substitutes or match samples.

Sly Mfg. Names Horrell Co.

The W. W. Sly Manufacturing Company, Cleveland, Ohio, has appointed the Horrell Company, 8006 Melrose avenue, Los Angeles 46, Calif., to act as sales engineers for the Sly line of industrial dust control and sandblast equipment. Horrell has been established in Southern California for a number of years as consulting engineers and distributors of engineered products and equipment.

Dyes Tariff Reductions

—*Continued from page 4*

tries in amounts sufficient for domestic needs. In the case of both of these countries, both products are not only manufactured in large quantities, but are being exported to all of the principal markets of the world.

"Under these conditions, no reciprocal action with respect to these two products is possible for these countries. Furthermore, it goes without saying that at the present time no imports of either product from the United States are possible into the Russian dominated markets, although imports into this country from Russia and her satellites could not be discriminated against under our present laws.

Invasion of U. S. Market

"If all plans for the expansion of the European dyestuffs industry are completed, it is estimated that by 1952-53 European producers will have a capacity nearly twice the estimated consumption of all Marshall plan countries. This can only lead to further concerted efforts to expand exports; first of all, at the expense of American exports, and then later, by seeking to secure a large share of the United States domestic market. It is our considered opinion that such a catastrophe must be avoided."

Mr. Moody then introduced witnesses appearing on behalf of individual companies. They were B. K. Lawrence, of E. I. du Pont de Nemours & Co.; M. B. Carroll and E. M. Maxwell, of National Aniline Division of Allied Chemical & Dye Corporation; Victor C. Wellman, of Cyanamid's Calco Chemical Division, and John L. Crist, of Southern Dyestuffs Corporation.

Linseed Cake and Meal

Protesting reductions in duties on linseed cake and meal was John B. Gordon, who spoke on behalf of the flaxseed crushing industry. The duty is presently 3 cents per pound.

The matter was first considered in 1947 at which time Canada requested a reduction in the duty on linseed cake and meal while the Netherlands asked for a cut in linseed oil. No reduction was granted.

"We trust that no reduction will be granted in the present instance," Mr. Gordon stated, "as the environing facts are basicly the same except for the important consideration that whereas in 1947 the basic difficulty was solely the unwillingness of the Argentine government to sell flaxseed, this time the Department of Agriculture is prohibiting the importation of flaxseed.

"It is naturally to be hoped that Argentina will abandon her policy of refusing to sell flaxseed, but one thing is very sure —that is if the United States fritters away one of the only two trump cards which it holds by reducing the duty on linseed cake and meal in negotiations to which Argentina is not a party, Argentina will have just that much less reason to change her policy in the future."

Acrylic Polymers Series Developed by Cyanamid

The industrial chemicals division of American Cyanamid Company announces the availability of a series of acrylic polymers. These modified sodium polyacrylates are water-soluble anionic colloids and are available as clear straw-colored aqueous solutions. They have interesting thickening, suspending, stabilizing and film forming characteristics.

The company has issued a technical data bulletin describing the acrylic polymers, outlining their properties, and discussing their compatability with surface active agents and colloids. Copies of this bulletin are available from the industrial chemicals division, American Cyanamid Company, 30 Rockefeller Plaza, New York 20, New York.

Coke Ovens Contract Let

Geneva Steel Company has awarded the Koppers Company a contract for the construction of a battery of twenty-three coke ovens at its Ironton plant near Provo, Utah. The ovens have a carbonizing capacity of 600 net tons of coal daily.

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Drugs and Fine Chemicals

Aside from a ½ cent per pound increase in trichloroethylene and perchloroethylene prices, and a 1 cent per pound upward adjustment in peroxides, the industrial items in this market were firm at the higher levels recently established. There were several changes in drug items. Para-aminosalicylic acid and its sodium salt, as well as sulphathiazole and its sodium salt, were advanced 50 cents per pound effective October 1. Cocoa butter dropped 8c. per pound reflecting a declining commodity market.

Camphor, both technical and USP, moved up 5 cents per pound reflecting the sharply increased raw material costs and the skyrocketing turpentine market. Alcohol, which was priced by different producers over a spread of some 35 cents per gallon, moved up 5 cents per gallon last week. The pharmaceutical dye, methylene blue, followed the upward price trend of dyestuffs in general, necessitated by sharply advanced price levels on chemical intermediates.

Settlement of strikes in alkali plants which reportedly accounted for some 60 percent of the nation's chlorine, was welcomed after its long duration of over three months. With production scheduled to get underway in ten days to two weeks at most plants, there was hope that many organic chemicals depending on chlorine and alkali for their production would show an easier supply position by the year end.

Glycerin shortages were extremely critical, and prices of crude advanced again last week, although refined prices were unchanged. Production of many glycerin containing products had been cut back sharply in recent weeks.

Esters were severely tight, along with alcohol, and no easing of these markets could be looked for before the advent of new crop molasses. Synthetic materials could not be produced in sufficient quantity of take up the slack in the heavily curtailed fermentation output.

Ethylene and propylene oxides and glycols were tight, and expected to remain so for the balance of the year. Isobutyl alcohol and normal propyl alcohol did not follow the advancing butyl and ethyl markets.

Codliver oil showed a stronger tone in the face of seasonally higher consumer demand. Ginger oleoresin was strong by virtue of the advancing raw material market. Lanolin was reported to be moving in a firmer market.

Market Trends

Prices Advanced

Acid, para-aminosalicylic, 50c. per lb.
Alcohol, ethyl, 5c. per gal.
Camphor, 5c. per lb.
Hydrogen peroxide, 1c. per lb.
Methylene blue, 38c. per lb.
Perchloroethylene, ½c. per lb.
Sodium para-aminosalicylate, 50c. per lb.
Perborate, 1c. per lb.
Sodium-sulphathiazole, 50c. per lb.
Sulphathiazole, USP, 50c. per lb.
Trichloroethylene, ½c. per lb.

Prices Reduced

Cocoa butter, 16c. per lb.
Menthol, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
261.2	261.8	262.7	254.4	260.1

(For Current Prices see Page 9)

Acetanilide—Supplies were reported to be quite adequate to take care of current needs. Production in July was reported by the Tariff Commission as totalling for both technical and USP material, some 472,948 pounds, compared with the June output of 559,046 pounds. Prices were unchanged from the higher levels established some weeks ago.

Acetone—The market was firm at the 8½c. per pound tankcar level which contract price schedules assumed October 1, following the pattern set by spot prices some weeks earlier. Supply and demand were said to be in reasonable balance. Production for July was reported by the Tariff Commission as 40,013,798 pounds, compared with the June output of 37,385,617 pounds.

Alcohol—A price advance of 5c. per gallon was effected October 1 in this market. This advance refers to an increase in the price schedules of those producers who had heretofore been quoting pure alcohol at 45c. per gallon and raised it to 50c., with corresponding price adjustments on the denatured grades.

Meanwhile, the market was widely spread with respect to price quotations. There were producers whose schedules quoted pure alcohol at 55c. per gallon, others at 60c., others at 65c., and still others ranging up to 85c. per gallon. The widespread difference in quotations was due to the varying costs of different producers, depending upon the raw material from which their alcohol was being manufactured, together with the critically scrace supply of the item which virtually eliminated competition.

Aspirin—There was no shortage of supply at present, and none expected. Despite the shortage of phenol, the amount required to produce the country's aspirin requirements could be had without too much distress, because it represented such a small proportion of the overall phenol production. Prices were firm and unchanged from levels established some weeks ago. Demand was said to be at a good level. The Tariff Commission reported July production as amounting to 671,725 pounds of acetylsalicylic acid, compared with the June output of 921,269 pounds.

Barbiturates—Prices were firm and unchanged from levels which have prevailed in the market over a long period. Demand was steady at good levels. Production of phenobarbital and its sodium salt totaled 32,598 pounds in July, as compared with 27,526 pounds in June, according to the Tariff Commission.

Bismuth Salts—The price of metal has become apparently stabilized at $2.25 per pound and the exceptionally steady quotation finds reflection in the schedule on all salts. Demand was reported well maintained at normal volume and deliveries were said to be prompt and satisfactory to buyers.

Butyl Alcohol—The output of normal butyl alcohol was reported by the Tariff Commission as amounting to 13,268,277 pounds, as against 11,470,377 pounds in June. Prices were widely spread between different producers, depending upon the cost of raw materials used in its manufacture. Synthetic material was the lowest priced material on the market, being quoted at 14½c. per pound in tankcars. Fermentation material, which in plentiful periods of supply is usually priced at the same level as synthetic, was in the current tight market quoted in a range of 16c. to 27c. per pound. Demand was heavy, and there was an overall shortage which was likely to characterize the market for the balance of the year.

Camphor—On October 1, prices on synthetic material became 5c. per pound higher. This price movement was the result of the steady rise in turpentine prices to a point where the cost to manufacture synthetic camphor became so high that an advance in the price schedule for that article was necessary. The advanced schedule is as follows:—Technical, 2,000 pounds or more, 43c. per pound; 1,500 pounds, 45c.; smaller lots, 46c. to 56c.; USP granular or powder, ton lots, 50; 1,000 pound lots, 51c.; smaller lots, 52c.; tablets, ton lots, 83c.; 1,000 pound lots, 84c.; smaller lots, 84c.

Castor Oil—Oil prices remained unchanged. Beans were on a nominal basis at around $175 per long ton.

Imports last week amounted to only 3,266 bags equivalent to 489,900 pounds, compared with 19,238 bags or 2,885,700 pounds during the corresponding week of 1949.

Total arrivals since January 1 of this year amounted to 1,004,846 bags equivalent to 150,726,900 pounds, compared with 1,236,978 bags or 185,548,200 pounds during the corresponding period of last year.

Chlorophyll—Demand was reported as strong, and shipments were running two weeks behind schedule on some grades, and longer on others. Prices were firm and unchanged from schedules prevailing over recent months. The 4 percent concentration oil soluble material for food and pharmaceutical use was quoted at $3.75 per pound in five gallon pails, and varied upward as to quantity to $4.50 per pound for 1 and 2 pound tins. The water soluble sodium-magnesium chlorophyllin of 4 percent concentration, not light stable, was quoted at the same price schedule. Also quoted at the same price, was the 8 percent sodium-copper chlorophyllin which was a water soluble material of greater light stability.

Cocoa Butter—Declining prices on beans kept butter prices moving in favor of buyers. By the middle of last week,

For Late Market Developments, See Page 4

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quotations were as low as 74c. per pound and it was not certain that goods could not be bought for even less money. Butter and beans were in exceptionally sensitive position, one with the other.

Codliver Oil—Fall has brought some expansion in the consuming requirements of buyers and such buying, plus that which has been designed to accumulate stocks against a possible period of tight supply, contributed considerable additional strength to the spot market. News from abroad was also indicative of a well maintained price position at levels recently set in official quarters.

Ethyleneglycol—Prices were firm at the new higher contract levels effected October 1, following the pattern of previously established higher spot prices. Supplies were tight, and expected to remain so for the balance of the year. The Tariff Commission reported production for July as amounting to 43,145,610 pounds, compared with the June output of 39,819,989 pounds. The settlement of strikes in alkali plants would in a couple weeks allow resumption of chlorine production on a wide scale, and this in turn would permit in some quarters a stepped up production of glycol. However, the effect on output would not be too significant with respect to overall supplies, for several weeks.

Gelatin—July production of non-photographic gelatin was reported by the Bureau of Census as totalling 2,144,033 pounds, compared with the June output of 2,841,503 pounds, and 2,119,670 pounds produced during July of 1949. Stocks on hand at the end of July amounted to 5,126,425 pounds.

Ginger Oleoresin—Basic raw material was strong. Offerings from primary market points have been negligible. For example, reports from Africa have been that the crop has been sold completely and that such root may now be obtained only in secondary market. New York stocks have been rarely so low. For that reason, the oleoresin from whatever variety of raw material was strong with an upward tendency in price and a downward trend in competition.

Glycerin—Despite the abnormally high level to which crude glycerin has climbed in recent weeks, it continued to go still higher last week. Saponification crude was quoted in the range of 60c. to 65c. per pound, and soaplye on an 80 percent basis was quoted at 55c. to 60c. per pound. Refined prices were quoted over a wide spread by different producers, but the market as a whole did not change from levels listed during the previous week. Supplies were quite critical.

It was reported that Russia offered 1,000 tons of crude for sale with October delivery. Whether or not this would find ready takers in view of the present political situation, was uncertain, but the material was so desperately needed in this country, that it would probably be promptly bought, even from Russia.

Lanolin—Price patterns developing in this market were indicative of a 2c. per pound rise, but as yet the market had not reached that level generally. Supplies were said to be in balance with demand, which during last week was reported as brisk.

Menthol—A period of relative plenty having followed that of substantial scarcity of spot goods a short time back, prices continued to sag last week and reached to $13 to $13.10 per pound rather early in the past week. The menthol recently landed in this market had been bought at prices low enough to take a downward revision of spot quotations virtually certain once such material reached this

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country. Furthermore, there seemed to be better than fair sized quantities still available in the China market. And the fact that not too much demand was current during the period under review gave added weight to the competitive side of the market and kept conditions distinctly favorable for buying.

Methylene Blue — This pharmaceutical dye of USP quality was advanced 38c. per pound, reflecting the increased cost of raw material intermediate chemicals. Under the new schedule effective October 1, 100-pound lots were quoted at $3.25 per pound, 50-pound lots at $3.40, and 25-pound lots at $3.60 per pound.

Milk Powder — Government purchases of skimmed milk powder for the week ended September 21 amounted to 3,126,947 pounds, of which 2,839,947 pounds was spray process material, and the balance roller process. This brought the total purchases so far this year to 343,394,314 pounds, compared with purchases of 337,291,449 pounds during the corresponding period of 1949.

Para-aminosalicylic Acid—An advance of 50c. per pound all across the board was effected October 1 on this item. The higher cost of labor and of raw materials which has been accumulating over recent months was responsible for the current upward adjustment in price schedules.

Under the new price schedule, 1,000 pound lots were quoted at $6.00 per pound, 500 pound lots at $6.05; 100 pound lots at $6.15; 50 pound lots at $6.30; and 25 pound lots at $6.50 per pound. Supplies were reported as adequate to take care of the well sustained demand.

Pentaerythritol — Increasing formaldehyde costs, together with higher manufacturing, labor and shipping costs resulted in current price schedules of 32c. per pound for carlot quantities, 33c. for lots of 10,000 pounds and up, and smaller lots ranged as to quantity from 34c. to 35c. per pound.

Dipentaerythritol in 200 pound drums was priced at 35c. per pound. Tripentaerythritol under present price schedules was listed at 37½c. per pound for 175 pound drums, 36½c. for 2,000 pound lots, 35½c. for 10,000 pound lots, and 34c. for carlots.

Supplies were reported as in reasonable balance with demand, and there was heavy buying on the part of consuming industries.

Perchloroethylene — Price adjustments of ½c. per pound upward were effected October 1 on this item. Producers who quoted the item on a f.o.b. works basis, adopted a new price schedule in which tankcars quoted at 10c. per pound, drum carlots at 11c. and less than carlot quantities at 11¾c. Producers who in the East quoted the item on a delivered basis listed tankcars at 11c., and drum carlots at 12c., and less than carlot drum quantities at 12½c.

Supplies which, as a result of the chlorine shortage created by a strike of over three months duration in major alkali producing plants, continued tight. Some relief was expected in a matter of weeks, as a consequence of the settlement of the alkali and chlorine strikes, and the resumption of operations within a matter of ten days to two weeks. Insufficient perchloroethylene supplies, however, were expected to characterize the market till the year end.

Peroxides — Contract prices effective October 1 on hydrogen peroxide of the industrial concentations were advanced 1c. per pound as a result of the accumulated increased shipping charges, in addition to increased manufacturing and labor costs. For example, the 35 percent material in tankcars was quoted under the new schedule at 20¾c. per pound, drum carlots at 21½c., and less than carlot drum quantities at 22c. and up, depending upon the quantity.

Sodium peroxide was likewise advanced 1c. per pound, at the same time reflecting higher raw material, manufacturing, and shipping costs.

Sodium Para-aminosalicylate—Accumulated increased raw material, manufacturing and labor costs resulted in an October 1 price advance of 50c. per pound on this item. Under the new price schedule, 1,000 pound lots were listed at $5.75 per pound; 500 pounds at $5.80; 100 pound lots at $5.90; 50 pound lots at $6.05; and 25 pound lots at $6.25 per pound.

Sodium Perborate — Technical and USP material saw higher contract prices in effect October 1. Under the new schedule carlots were quoted at 19¾c. per pound and less than carlot quantities at 20¾c. The advanced price schedule was a reflection of the repeatedly increased prices on raw materials, together with higher manufacturing costs.

Sulphathiazole — Effective October 1, prices were advanced 50c. per pound on the USP material and on the sodium salt. Both materials under the new price schedule were listed at $3.50 per pound in lots of 1,000 pounds. In 500 pound lots the price was $3.60 per pound, 100 pound lots were quoted at $3.65 per pound, and in 25 pound lots the price stood at $3.80 per pound. Back of the upward price adjustment was the repeated increases in alkali costs, and in other raw material ingredients. These together with higher manufacturing and labor costs accounted for the currently higher price schedule.

Trichloroethylene—On a freight equalized basis, price schedules effective October 1 listed drum carlots at 11c. per pound, less than carlot drum quantities at 11½c., and tankcars at 10c. Demand was strong, and supplies were tight because of the long sustained strike in chlorine producing plants representing some 60 percent of the nation's output. This strike, after over three months of idleness, has been settled, and it was estimated that production would be underway again in most plants in a matter of ten days to two weeks. This would make available more chlorine but the shortage would not be relieved significantly before nearer to the year end.

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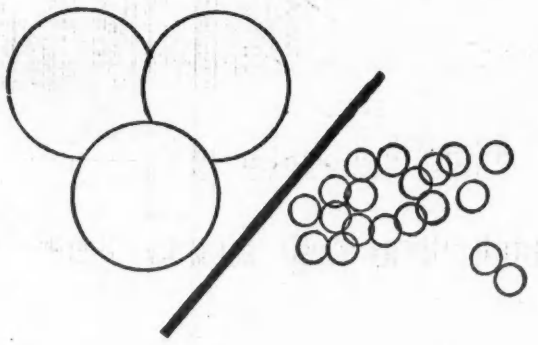

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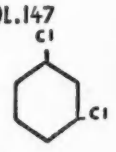

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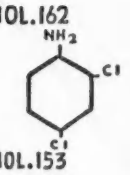

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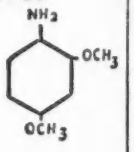

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R. J. Prentiss Changes Name To Prentiss Drug & Chemical

R. J. Prentiss & Co., with executive and sales offices at 110 William street, New York, for over forty years engaged in the manufacture and distribution of chemicals, botanicals, insecticides and rodenticides, has changed its corporate name to Prentiss Drug & Chemical Company, Inc., as of October 1, it was announced last week by Harold R. King, president.

According to Mr. King, this is merely a change in corporate name and does not involve any change in business policy, management or personnel.

At the same time, he announced the removal of the Prentiss insecticide plant to new and larger quarters. Formerly at Newark, N. J., the insecticide manufacturing division is now located in a building adjacent to the present Prentiss chemical and botanical processing plant at 261 King street, Brooklyn. The move consolidates all of the Prentiss manufacturing operations at that address.

McK. & R. Warns Carbon Tet Mislabeled Castor Oil

McKesson & Robbins, Inc., New York, has issued a warning that, through an error in labeling, it has distributed carbon tetrachloride in bottles marked castor oil. The error was discovered when a Michigan woman became ill after taking the poisonous cleaning compound, officials reported. The company stated that it was impossible to say how many mislabeled bottles were on the market.

Heyden Stock Sold

The estate of Barnard A. Armour has announced the sale of its entire holdings of Heyden Chemical Corporation, New York, common stock. Mr. Armour, a former president of the company, died in December, 1949. The Heyden Chemical Corporation bought 225,000 shares of stock to be held in its treasury. R. W. Pressprich & Co., on behalf of clients and for its own account, purchased 136,970 shares. The Heyden Chemical Management Committee and its associates bought 37,500 shares. The sale price was $15 per share.

'Aquaresin' Correction

The report on "Aquaresin," a glycerin substitute manufactured by Glyco Products Company, Brooklyn, N. Y., which appeared in the previous issue, erroneously stated that the material is suitable as an antifreeze. The reverse is true, "Aquaresin," although possessed of many other advantages, is not suitable as an antifreeze.

Trade Briefs

Hilton Davis Chemical Company Division, Sterling Drug, Inc., New York, working on a noise abatement program at its twenty-three building plant in Cincinnati, Ohio.

Smith, Kline & French Laboratories Philadelphia, was host for four weeks recently to Dr. Wilfred H. Linnell, professor of pharmaceutical chemistry of the University of London.

Richard T. Tomlinson, former advertising manager of Antara Products, General Aniline & Film Corporation, New York, has joined R. T. O'Connell Advertising Agency, of that city, as an account executive.

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APMA Committee Heads For 1950-1951 Announced

The American Pharmaceutical Manufacturers Association has announced the chairmen of its 1950-1951 committees. Exclusive of the chairmen in the eastern section, already released (*OPD* 9/25), following are the men who will head up the association's committees:—

Finance, Edgar L. Patch, The E. L. Patch Company; membership, J. Kenneth Flint, Flint, Easton & Co.; councillor to the U. S. Chamber of Commerce, Dr. J. G. Searle, G. D. Searle & Co.; delegate to the national affairs committee of the U. S. Chamber of Commerce, James L. Rogers, The Central Pharmacal Company; associate membership, J. M. Gaston, Merck & Co.; World Medical Association, Dr. H. L. Daiell, Lakeside Laboratories, Inc.; tradename, Edgar L. Patch The E. L. Patch Company; memorial, Gerald F. Rorer, William H. Rorer, Inc., and legislative, William F. Dowling, jr., Burroughs Wellcome & Co.

Also public relations, Vincent A. Burgher, Ciba Pharmaceutical Products, Inc.; social and economic developments, Dr. C. M. Bigelow, Calco Chemical Division, American Cyanamid Company; research board, Dr. Martin Lasersohn, Winthrop-Stearns, Inc.; delegates to national drug trade conference, Dr. J. O'Neil Closs, executive secretary APMA, transportation, general chairman, Frank Reid, The N. Y. Quinine & Chemical Works, Inc.; industry and business policy, S. B Penick, jr., S. B. Penick & Co., and export, Franz Euler, Merck (North America), Inc.

Also production, central section, Jack T. Clancy, Kremers-Urban Company; production, western section, Milton Olmstead, Boyle & Co.; marketing, central section, Lee L. Gibson, Lakeside Laboratories, Inc.; marketing, western section, J. A. Hailer, Rexall Drug Company; medical section, Dr. E. L. Sevringhaus, Hoffmann-LaRoche, Inc.; scientific, central section, Dr. Herman Dorn, Irwin, Neisler & Co.; scientific, western section, R. E. Burgess, Don Baxter, Inc.; contact, Dr. F. B. Fisk, Pitman-Moore Company; time and place, Harold F. Cummings, Vitamerican Oil Corporation; registration, R. M. Yale, S. B. Penick & Co.; guests and greeters, Lee Klemmer, *Modern Medicine;* entertainment, C. H. Slater, J. T. Baker Chemical Company; ladies' entertainment, L. I. Volckening, The Ivers-Lee Company; golf, Gerald F. Pauley, Monsanto Chemical Company; tennis, Robert M. Smith, *Medical Economics,* and sectional policies, M. F. Charley, Standard Pharmacal Company.

DCAT Golf Trophy Won by F.A. Neuberg

F. A. Neuberg, of Enco Chemical Corporation, was the winner of the golf trophy awarded by the Drug, Chemical and Allied Trades section of the New York Board of Trade at its men's tournament held September 23. Mr. Neuberg scored first low net.

Winners of other golf prizes follows:—First and second low gross, a tie between Thomas B. Singleton, The Murine Company, and C. W. French, jr., Oldbury Electro-Chemical Company; second low net, R. A. Malmstrom, N. I. Malmstrom & Co.; third now net, Ira Vandewater, R. W. Greef & Co.; nearest to the pin, J. V. Powers, E. Fougera & Co.; longest drive, E. G. Jacobi, R. W. Greeff & Co.; least putts, a tie between Russel J. Fosbinder, Maltbie Laboratories, Inc., and J. M. Kingston, Lederle Laboratories Division, American Cyanamid Company; first in putting, Chester Robinson, Hoffmann-LaRoche, Inc., and second in putting, J. B. Henriques, Arnold Hoffman & Co.

Adams Leaves Turner

Halstead J. Adams, of the sales staff of Joseph Turner & Co., Ridgefield, N. J., has resigned from that company as of October 1, it was announced last week. Mr. Adams, who had been with Turner since 1935, will make public his future plans at an early date.

Branch manager of Turner's Providence office and sales representative in New York, New Jersey and Pennsylvania, Mr. Adams handled sales of intermediates and dyestuffs for the company' Crown Chemical Division. He also sold chemicals and solvents to the paint, textile, rubber, soap and allied industries.

CSC Elects Wheeler

Maynard C. Wheeler, vice-president in charge of production of Commercial Solvents Corporation, New York, has been elected to the corporation's board of directors. Mr. Wheeler joined Commercial Solvents in 1923 as a chemical engineer. He became manager of the Terre Haute, Ind., plant in 1929, and later, production manager for all CSC plants. In 1945 he was made vice-president in charge of production. Mr. Wheeler is a director of Thermatomic Carbon Company, Sterlington, La.

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Pfizer Executive Forecasts Increased Antibiotic Demand

American physicians will treat more than 85,000,000 non-hospitalized patients during 1950, according to a report made today to pharmacists at the Greater New York Drug Show meeting at the Statler hotel. Of every $4 spent for prescription drugs in treating these patients, $1 will go for antibiotics.

This report was made by Thomas J. Winn, sales manager of the antibiotic division of Charles Pfizer & Co., Brooklyn, N. Y. U. S. retail pharmacies, Mr. Winn said, have increased their lead in the distribution of penicillin from 54 percent of total domestic consumption in 1949 to approximately 60 percent at present. The distribution pattern of other antibiotics has also been changing. Of the newest wide-range antibiotics, including terramycin, about 90 percent of domestic consumption will be supplied by the local druggist to the physician for his office and some-call use. "The significant point here," Mr. Winn said, "is the increased dollar volume to pharmacies due to the new high demand."

Phila. Drug Exchange Sets Outing October 4.

Philadelphia Drug Exchange will hold its annual Fall outing on October 4 at the Lu Lu Temple Country Club, North Hills, Pa. Dinner will be served at 7 p.m., after which there will be a program of entertainment and the awarding of prizes. The charge is $6 per person, which includes everything with the exception of green fees of $3 for those who play golf.

Carbide & Carbon Chemicals Issues Booklet on Ethylene Oxide Handling

"Unloading, Storage and Handling of Ethylene Oxide" is covered in a new pamphlet just issued by Carbide & Carbon Chemicals Division, Union Carbide & Carbon Corporation, New York. It presents procedures for unloading tank cars, and discusses in detail methods of handling and emptying the new insulated fifty-five gallon drums, now approved for ethylene oxide by the Bureau of Explosives, and adopted by Carbide for less-than-carload-lot shipments.

The sixteen-page booklet contains detailed technical data on ethylene oxide, including physical properties, explosibility limits, toxicity, specifications and shipping information. It also lists the manufacturer's recommendations for equipment necessary to handle and store ethylene oxide, with particularly emphasis on the safety precautions to be observed. Construction details of the new drums and of the high pressure, insulated tank cars are illustrated. Copies of the booklet (F-7618) are available on request from any office of the company.

U. S. Surplus Milk Powder Sold to Danish Government

Arrangements to sell 44,092,000 pounds (20,000 metric tons) of government-owned nonfat dry milk solids to the government of Denmark have been reported by the Department of Agriculture. This quantity, for use as animal feed, will be obtained from the oldest stocks in the government inventory.

As a result of this transaction, the Commodity Credit Corporation stocks will be reduced to about 319,000,000 pounds out of a total of about 660,000,000 pounds bought for price support by CCC during the past eighteen months. Prior to this sales for export totaled 246,000,000 pounds, donations for export about 27,000,000 pounds, and distributions for domestic use about 26,000,000 pounds.

Arner Company Begins Volume Production of Chlorophyll Tablets

The Arner Company, Buffalo, N. Y., has begun volume production of chlorophyll tablets. The product, which contains chlorophyll and is being manufactured by Arner for one of the leading drug distributors, is said to be highly effective in removing bad breath and body odors.

Antara Issues Glycol Bulletin

Antara Products, General Aniline & Film Corporation, New York, has published a new eight-page data bulletin (No. 303), which gives properties, characteristics, uses and handling information on 1,4-butanediol. The bulletin includes a complete chart of potential reactions for the saturated glycol, as well as a complete bibliography of reference material. Copies of the publication are available upon request to Antara, 444 Madison avenue, New York 22.

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Food — Improver of bread and cake doughs.

Hexaldehyde, Normal

Chemical—Aldehyde which is a colorless liquid, with boiling point 128.6°C., flashpoint 90°F., sharp, aldehyde odor.

Reactant in forming acetals, aldols, cyanhydrins, esters, polymers, rubber chemicals.

Starting point in making plasticizers, insecticides.

Dye—Starting point in making synthetic dyestuffs.

Resin—Reactant in making synthetic resins.

Hexyleneglycol

(2-Methyl-2:4-pentanediol)

Automotive—Ingredient of hydraulic brakefluids (claimed to donate high tolerance for moisture, retard rubber swelling, influence low corrosion characteristics, permit formation of clear solutions with castor oil brakefluids).

Fats, Oils, and Waxes—Dispersing and wetting agent in cutting oils, grinding fluids.

Ink—Improver of printing ink compositions (claimed to improve press stability at ordinary temperatures, permit fast drying at elevated temperatures with higher, more uniform press speeds).

Laundering — Dispersing, emulsifying, and wetting agent in prespotting soaps (claimed to improve removal of last traces of soap and water during drycleaning).

Miscellaneous—Claimed useful as blending, coupling, dispersing, emulsifying, penetrating, and wetting agent, high-boiling solvent, and mild humectant.

Emulsifying agent in engine and other industrial cleaners.

Pesticide—Wetting agent in fungicidal compositions for wood.

Textile—Wetting and dispersing agent in textile assistants.

1-Hydroxyethyl-2-heptadecenyl-glyoxalidin

("Amine 220")

Chemical—Organic compound boiling at 225°-250°C. (2mm. Hg.), not precipitated by either monobasic acids or heavy metal salts, ordinarily cannot be used in conjunction with, nor in the presence of, other soaps, fatty acids, or anionic wetting agents; a rich-brown colored liquid, slightly soluble in water (aqueous solutions are alkaline in character, but, it is claimed, unlike soaps and some emulsifying agents, its aqueous solutions possess cationic surface activity and show their greatest activity under acidic conditions) also soluble in mineral oils, vegetable oils, organic solvents.

Fats, Oils, and Waxes—Emulsifying agent for vegetable oils (claimed extra efficient).

Pesticide—Emulsifying agent for mineral oils, phenothiazin, pyrethrum, vegetable oils (claimed to enhance effectiveness and effect great economies in agricultural orchard sprays and antimosquito sprays).

Ink—Emulsifying agent in making mineral oil bases for printing inks (claimed to improve stability and give freedom from bleeding of the color into the paper).

Lubricant—Emulsifying agent for mineral and vegetable oils, used in cutting oils, drawing lubricants.

Miscellaneous — Emulsifying agent in automobile polishes and dressings.

Mining—Collector in flotation processes (claimed very valuable with a number of ores and processes).

Petroleum—Emulsifying agent for mineral oils.

Textile—Emulsifying agent in lubricants for applications where ready after-washability with water or soap is desirable.

Sulphur Hexafluoride

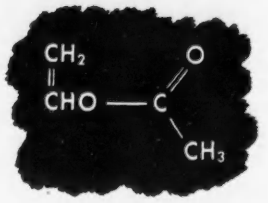
Chemical — Suggested as fluorinating agent in syntheses of organic chemicals.

Electrical—Dielectric for high-voltage generators and transformers, X-ray machines (claimed to permit either doubling the voltage output of electrical devices or reducing the size of the machine by one-half).

NIACET
TRADE-MARK

UNPOLYMERIZED
VINYL ACETATE
(STABILIZED)

Vinyl Acetate can be polymerized to form resins with exceptional bonding qualities for wood, glass, metal, and fibre.



Boiling Range
71.8° to 73° C.

Vinyl Acetate can be used for synthesis of

- 1,2-dichlorethyl acetate
- 2-monochlorethyl acetate
- 2-chloracetals
- 2-aminothiazole
- Chloracetaldehyde
- and many others.

Containers:—410 lb. drums
62,500 lb. tank cars

• • •

For Further Information Write to:

NIACET
CHEMICALS DIVISION
UNITED STATES VANADIUM CORPORATION
Unit of Union Carbide and Carbon Corporation

Sales Offices: 923 Niagara Bldg. • Niagara Falls, N. Y.

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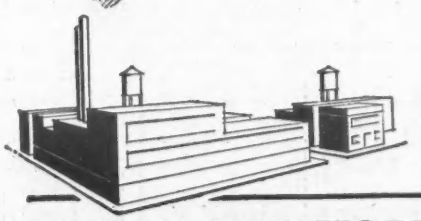
- BENZOCAINE
- BARBITURATES
- THEOPHYLLINE
- AMINOPHYLLINE

and other fine pharmaceutical chemicals



Phone: PLaza 3-8980

Factory: Carlstadt, N. J.

GANE'S CHEMICAL WORKS, INC.
677 FIFTH AVENUE • NEW YORK 22, N. Y.
Established 1929

Imports at United States Ports

New York

ACENAPHTHENE—37 bbls, General Aniline Works, Hamburg
ACETYLSALICYLIC ACID—200 cs, J D Smith, Hamburg
AGAR—30 bls, E Meer, Kobe
5 bls, Max Van Pels, Kobe
50 bls, International Commodities Corp, Kobe
20 bls, Dodwell & Co, Kobe
ALCOHOL, SULPHONATED—8 cs, American Alcolac Corp, Havre
ALKATHENE GRANULES—2 dms, E I du Pont de Nemours & Co, Liverpool
ALOES—300 cs, Selma Mercantile Corp, Curacao
AMMONIUM CARBONATE — 53 dms, American British Chemical Supplies, Glasgow
10 dms, Liverpool
CHLORIDE—10 kgs, Chemical Manufacturing Co, Liverpool
AMYRIS OIL—2 dms, Dodge & Olcott, Port au Prince
7 dms, Polack & Schwarz, Port au Prince
ANILIN COLORS—120 cks, Marine Midland Trust Co, Rotterdam
48 dms, Heemsoth Kerner, Liverpool
5 cs, Heemsoth Kerner, Liverpool
42 dms, Sandoz Chemical Works, Genoa
ANISEED—100 bls, Hartz Mountain, Hong Kong
200 bls, W E Martin, Hong Kong
100 bls, Becker Mayer Seed Co, Hong Kong
100 bls, R J Prentiss & Co, Hong Kong
ASBESTOS FIBER—200 bgs, Commercial National Bank, Lourenco Marques
1,900 bgs, Johns Mansville, Lourenco Marques
ASPHALT, LIQUID—2 dms, Thibault & Walker, Cristobal
BARIUM CHLORATE—100 dms, International Selling Co, Marseilles
BARYTES—3 bgs, Minerals Shipping Corp, Piraeus
BEESWAX—24 pkgs, Eastern Mohaig & Trading Co, Beirut
16 bgs, Pellew Wilson, Melbourne
28 bgs, International Commercial Corp, Port au Prince
25 seroons, Robinson-Wagner, Puerto Plata
34 bgs, Curacao Trading Co, Ciudad Trujillo
30 bgs, Geck Trading Co, Ciudad Trujillo
66 bgs, Chemical Bank, Alexandria
99 bowls, Bankers Trust Co, Lobito
BENZOL—15 dms, Heemsoth-Kerner, Liverpool
BENZOIN GUM—56 bdls, S B Penick, Singapore
BERYL ORE—224 bgs, The Beryllium Corp, Beira
1,440 bgs, Beira
47 bgs, D C Andrews, Durban
500 bgs, Derby & Co, Port Elizabeth
BISMUTH SUBNITRATE—1 cs, S B Penick & Co, Buenos Aires
BLACK, BONE—500 bgs, Chase National Bank, Alexandria
BONE—25 bgs, International Packers Commercial, Buenos Aires
BONEMEAL—662 bgs, D C Andrews, Havre
600 bgs, Liverpool
BRUCINE—17 cs, Lo Curto & Funk, Glasgow
ALKALOID—10 cs, Merck & Co, London
CADMIUM—146 cs, Brown Bros Harriman, Kobe
CAFFEINE, ANHYDROUS—40 bbls, Siber Hegner, Santos
CARAWAY OIL—1 ck, Polaks Frutal Works, Rotterdam
SEED—150 bgs, J F Frank, Rotterdam
150 bgs, I Grob, Rotterdam
300 bgs, Louis Furth, Rotterdam
50 bgs, R J Spitz, Rotterdam
100 bgs, Hartz Mountain Co, Rotterdam
200 bgs, M J Golombeck, Rotterdam
300 bgs, C M Van Sillevoldt, Rotterdam
100 bgs, Rotterdam
200 bgs, R L Friedler, Rotterdam
CARDAMOM SEED—40 cs, Karl H Landes, Tuticorin
43 bgs, William E Martin, Puerto Barrios
CASEIN—250 bgs, Bunge Corp, Havre
560 bgs, Borden Co, Buenos Aires
400 bgs, F H Paul & Stein, Buenos Aires
430 bgs, E Lang, Inc, Buenos Aires
CASHEW NUT SHELL LIQUID—95 dms, Irvington Varnish & Insulator Co, Cochin
CASSIA—1,400 bls, A G Dunn, Hong Kong
525 bls, R J Spitz, Hong Kong
200 bls, K H Landes, Hong Kong
300 bls, Knickerbocker Mills, Hong Kong
550 bls, Charles T Wilson, Hong Kong
100 bls, J Berlage, Hong Kong
86 bls, Mincing Trading Co, Tandjong Priok
BUDS—50 bgs, Meer Corp, Hong Kong
CASSIA FISTULA—8 seroons, Citrus & Allied Essential Oils, Puerto Plata
CASTOR, BEANS—1,426 bgs, Cristobal
700 bgs, Spencer Kellogg, Cape Haitien
378 bgs, Spencer Kellogg, Port au Prince
380 bgs, Spencer Kellogg, Jacmel
382 bgs, Baker Castor Oil Co, Port au Prince
OIL—100 dms, J A Hickey, Santos
186 tons, Western Cotton Oil Co, Santos
CEDARWOOD OIL—10 dms, Greene Trading Co, Mombasa
CELERYSEED—170 bgs, Becker Mayer Seed Co, Bombay
203 bgs, Marseilles
CETYL ALCOHOL—70 cs, Liverpool
CHAMOMILE FLOWERS—17 bls, S B Penick & Co, Lisbon
CHEMICALS—67 kgs, Gallard Schlesinger Chemical Corp, Gothenburg
114 dms, Bergstrom Trading Co, Gothenburg
100 cs, Bergstrom Trading Co, Gothenburg
138 pkgs, Marks & Coyle, Copenhagen
239 dms, Rotterdam
17 cks, Rotterdam
97 bbls, Chase National Bank, Rotterdam
50 dms, Terra Chemicals Inc, Rotterdam
600 bbls, Enco Chemical Corp, Barcelona
CHESTNUT EXTRACT—400 bgs, Barkey Import Co, Genoa
CHILLIES—76 bgs, Mombasa
CHINA CLAY—600 bgs, English China Clay Sales, Liverpool
CHLORAL HYDRATE—11 dms, Lo Curto & Funk, Glasgow
CINCHONA PRODUCTS—94 cs, Guaranty Trust Co, Rotterdam
CINNAMON BARK OIL—2 cs, Volkart Bros, Colombo
QUILLS—45 bls, C M Van Sillevoldt, Colombo
CITRONELLA OIL—50 dms, Givaudan Delawanna, Puerto Barrios
10 dms, Chase National Bank, Keelung
100 dms, Lo Curto & Funk, Keelung
11 dms, Manufacturers Trust Co, Keelung
CIVET—1 cs, Kellys American Ltd, London
CLAY—300 bgs, L A Salomon & Bros, Hamburg
COALTAR COLORS—140 cks, Rotterdam
44 dms, C A Haynes, Hamburg
COBALT OXIDE, BLACK—56 dms, Liverpool
COCONUT OIL—1,049 tons, E F Drew, Cebu
CODLIVER OIL—475 dms, Peder Devold, Aalesund
200 dms, Arista Oil Products, Aalesund
COLORS, EARTH—77 bbls, J Lee Smith, Hamburg
DRY—1 ck, Liverpool
COPAL GUM—64 bgs, Commercial National Bank, Singapore
148 bgs, U S Industrial Chemicals, Manila
29 bgs, Cillespie-Rogers-Pyatt, Manila
221 bgs, O G Innes Corp, Matadi
COPRA—584 tons, El Dorado Oil Works, Masbate
600 tons, El Dorado Oil Works, Bulan
CORIANDER SEED—311 bgs, Arnolds Taubenslag, Buenos Aires
23 bgs, W Bernstein, Rotterdam
COTTON LINTERS—129 bls, Williamson Northrup, Santos
CREAM OF TARTAR—100 bbls, F H Taussig, Genoa
300 bls, T M Duche & Sons, Barcelona
CRESYLIC ACID—110 dms, Lehn & Fink Products, Liverpool
100 dms, Charles Page Co, Liverpool
197 dms, Interocean Chemical & Mineral Corp, Rotterdam
400 dms, Liverpool
5 dms, American British Chemical Supplies, Sydney
275 dms, Glasgow
DAMMAR GUM—25 cs, France, Campbell & Darling, Singapore
64 bgs, O G Innes Corp, Singapore
50 cs, O G Innes Corp, Singapore
210 bgs, Internatio Rotterdam, Singapore
70 bgs, Commercial National Bank, Singapore
128 bgs, S Winterbourne, Singapore
DEXTRIN—10 bgs, Rotterdam
70 bgs, Stein Hall, Rotterdam
DINITROBENZOYL CHLORIDE—1 cs, Southampton
DIPHENYLENEOXIDE—11 cks, Rotterdam
DRUGS, BOTANICAL—110 bgs, Peek & Velsor, Rotterdam
2 bls, Commercial Bank of Greece, Heraclion
DYESTUFFS—47 dms, Heemsoth Kerner, Liverpool
199 dms, Sandoz Chemical Works, Rotterdam
32 dms, United Nations Shipping Co, Rotterdam
2 cs, United Nations Shipping Co, Rotterdam
45 bgs, T H Deitz, Rotterdam
15 dms, Wilson Export & Import, Rotterdam
EARTH OIL—20 bbls, Hensel, Bruckmann, Bremen
ERYTHRITOL TETRANITRATE—9 cs, Burroughs Wellcome, London
ESSENTIAL OIL—5 cs, Dodge & Olcott, Marseilles
4 dms, National City Bank, Marseilles
2 cs, Roure-Dupont, Marseilles
9 dms, Ungerer & Co, Marseilles
4 cks, Naugatuck Aromatics, Marseilles
4 dms, Naugatuck Aromatics, Marseilles
7 cs, Florasynth Labs, Marseilles
10 demijohns, Florasynth Labs, Marseilles
1 dm, Florasynth Labs, Marseilles
5 cs, Tombarel Products, Marseilles
1 cs, Antoine Chiris, Genoa
1 cs, J E Bernard, Havre
2 cs, Antoine Chiris, Cannes
EUCALYPTUS OIL—18 dms, Lambert Pharmacal Co, Melbourne
22 dms, Commercial Banking Co of Sydney, Melbourne
6 dms, Lo Curto & Funk, Santos
FENNEL ROOT—2 bls, S B Penick, Lisbon
SEED—20 bgs, Peek & Velsor, Hamburg
91 bgs, M J Golombeck, Marseilles
FENUGREEK SEED—105 bgs, R J Prentiss, Beirut
FERRO TITANIUM—10 dms, Liverpool
VANADIUM—13 cks, Penson & Co, Gothenburg
FERTILIZER—62 bls, National Bank Aust, Melbourne
25 bls, Chase National Bank, Melbourne
12 bls, Chase National Bank, Sydney
FISHLIVER OIL—2 dms, Chase National Bank, Yokohama
FISHMEAL, WHALE—3,000 bgs, Wessel, Duval, Stavanger
FUEL OIL—103,000 bbls, Esso Standard Oil, Aruba
109,389 bbls, Hess, Inc, Punta Cardon
103,637 bbls, New England Petroleum, Curacao
106,457 bbls, Public Service Elec & Gas Co, Curacao
10,000 bbls, Asiatic Petroleum Corp, Curacao
GALANGAL ROOT—100 bls, R J Prentiss, Hongkong
GALLNUTS—672 bgs, Mallinckrodt Chemical Works, Hong Kong
13 bgs, Balfour Guthrie, Lattakia
GELATIN—200 bgs, Transatlantic Animal By-Products, Bremen
140 bgs, Liverpool
206 bgs, T M Duche & Sons, Rotterdam
550 bgs, Transatlantic Animal By-Products, Durban
GERANIUM OIL—1 dm, Tombarel Products Corp, Durban
2 kgs, Dodge & Olcott, Durban
2 cs, Roure-Dupont, Durban
GHATTI GUM—57 bgs, Paul A Dunkel, Bombay
114 bgs, S B Penick & Co, Bombay
GINGER—16 bgs, W H Muller, Accra
GLUE—295 bgs, Liverpool
5 cs, Genoa
25 bbls, Lloyd Assoc, Bremen
BONE—777 bgs, Sembodja Corp, Rotterdam
600 bgs, C B Hewitt, Durban
STOCK—168 rolls, H Remis, Barranquilla
GRAPHITE—250 bgs, Superior Flake Graphite Co, Colombo
1,500 bgs, Asbury Graphite Mills, London
14 bgs, A M Goldstein, Colombo
GYPSUM, CRUDE—10,370 tons, U S Gypsum Co, Hantsport
9,512 tons, National Gypsum Co, Dingwall
3,000 tons, Newark Plaster Co, Walton
HAARLEM OIL—35 cs, Rotterdam
HAWTHORN BERRIES—42 bls, S B Penick & Co, Lisbon
HENNA LEAVES—22 bls, J L Hopkins, Alexandria
INDIGO PASTE—12 dms, Heemsoth Kerner, Liverpool
IPECAC ROOT—18 bgs, Cristobal
IRON OXIDE—1,037 bgs, Smith Chemical & Color Co, Malaga
1,037 bgs, C J Osborn, Malaga
435 bgs, Reichard Coulston, Malaga
25 bbls, Malaga
KARAYA GUM—123 bgs, Paul A Dunkel, Bombay
123 bgs, Guaranty Trust Co, Bombay
184 bgs, S B Penick & Co, Bombay
767 bgs, Innis, Speiden, Bombay
171 bgs, Boehr Shipping Co, Bombay
400 bgs, Stein Hall & Co, Bombay
64 bgs, Dodwell & Co, Bombay
KIESERITE FERTILIZER—1,361 tons, Millmaster Chemical Corp, Bremen
KYANITE ORE—280 tons, Golwynne Chemical Corp, Mombasa
LABDANUM GUM—3 cs, L A Champon, Barcelona
LAVENDER OIL—25 dms, Lo Curto & Funk, Marseilles
5 dms, Naugatuck Aromatics, Marseilles
14 dams, Magnus, Mabee & Reynard, Marseilles
LEMONGRASS OIL—2 dms, O Bergmann, Puerto Barrios
3 dms, Norda Essential Oil & Chem Co, Port au Prince
3 dms, Dodge & Olcott, Cristobal
11 dms, Lo Curto & Funk, Cochin
1 dm, Dodge & Olcott, Dar Es Salaam
LICORICE ROOT—52 bls, Lattakia
28 bls, Bank of Manhattan Co, Lattakia
LIME JUICE—16 bbls, Citrus & Allied Essential Oil Co, Puerto Plata
OIL—1 dm, Citrus & Allied Essential Oils, Puerto Plata
2 dms, Dodge & Olcott, Port au Prince
4 dms, Norda Essential Oil & Chem Co, Port au Prince
LIQUID AMBAR—3 dms, Honduras Products Corp, Cristobal
LOCUST BEANS—500 cs, Ambriola Co, Naples
GUM—243 bgs, Stein Hall, Lisbon
147 bgs, Marseilles
450 bgs, Genoa
800 bgs, Stein Hall, Genoa
100 bgs, Jacques Wolf Co, Genoa
400 bgs, Sucro Ltd, Alicante
500 bgs, Stein Hall, Piraeus
100 bgs, National City Bank, Rotterdam
220 bgs, Innis Speiden, Rotterdam
50 dms, Innis Speiden, Rotterdam
200 bgs, Stein Hall, Rotterdam
MACE—40 cs, K H Landes, Colombo
18 bgs, London
OIL—48 cs, Rotterdam
MAGNESIA CARBONATE—800 bgs, Reheis & Co, Liverpool
MANGANESE ORE—1,120 tons, Chase National Bank Luanda
MANURE, CHEMICAL—400 bgs, Doggett Pfeil Co, London
MEDICINAL HERBS—5 bls, J Shonegan, Havre
29 bls, Meer Corp, Havre
20 bls, J L Hopkins, Havre
79 bls, Peek & Velsor, Havre
7 bls, Peek & Velsor, Genoa
LEAVES—20 bgs, S B Penick & Co, Genoa
OIL—11 dms, Malaga
ROOT—519 bls, S B Penick, Lattakia
SEED—255 bgs, S B Penick & Co, Beirut
MENUKE LIVER OIL—2 dms, Chase National Bank, Yokohama
METHANOL—1 tin, Oil & Chemical Products Inc, London
MICA—23 cs, Brazilian Minerals & Timbers Corp, London
378 cs, Ford Radio & Mica Corp, London
100 cs, Sigbert Loeb, London
912 cs, Gillespie-Rogers-Pyatt, Durban
254 cs, Otto Gerdau, Durban
180 cs, James F Garneau, Durban
19 cs, Oxford Importing & Export Co, Durban
80 cs, Durban
74 cs, Western Hemisphere Raw Materials Corp, Santos
130 cs, Sigfried Cussel, Buenos Aires
WASTE—707 bgs, A S Williams, Beira
MILLET SEED—72 bgs, London
MOLASSES—13,800,107 lbs, Southwestern Sugar & Molasses Co, Humaco
MONTAN WAX—350 bgs, Strohmeyer & Arpe, Hamburg
MUSTARDSEED—100 bgs, Amaren Trading Corp, London
393 bgs, Becker Mayer Seed Co, Copenhagen
NAPHTHALENE — 3,125 bgs, Central Hanover Bank, Rotterdam
901 bgs, Fallek Products Co, Rotterdam
625 bgs, Rotterdam
671 bgs, Calco Chemicals, London
NICKEL FORMATE — 60 bbls, Public National Bank, Rotterdam
NICOTINIC ACID—30 dms, Fallek Products Co, Genoa
NIGERSEED—134 bgs, Hinton & Co, Bombay
NUTMEGS—72 bgs, Getz Import Co, Singapore
118 bgs, Uno Shipping Co, Rotterdam
OCOTEA CYMBARUM OIL—47 dms, Dodge & Olcott, Itajai
15 dms, Geismar & Co, Itajai
OCTYL-DECYL ALCOHOL—62 dms, Theobald Industries, London
OLEYL ALCOHOL—2 dms, Liverpool
OLIBANUM GUM—134 bgs, Tragacanth Importing Co, Aden
OIL—100 dms, J A Hickey, Santos
136 tons, Western Cotton Oil Co, Santos
OLIVE OIL—243 dms, Manufacturers Trust Co, Malaga
261 dms, Credit Suisse, Malaga
32 dms, Malaga
26 dms, Philadelphia National Bank, Malaga
50 dms, L Profumo, Barcelona
300 dms, Alona Corp, Barcelona
100 dms, Chase National Bank, Seville
152 dms, Credit Suisse, Seville
100 dms, Old Monk Olive Oil Co, Marseilles
ORIGANUM LEAVES—14 bgs, Beirut
11 bgs, Craig Stanlon, Beirut
OXGALL—3 dms, Perry Ryer, Durban
1 dm, International Packers Commercial, Adelaide
5 dms, Pellew Wilson, Melbourne
8 tcs, Armour & Co, Montevideo
PALM OIL—772,800 lbs, Durkee Famous Foods, Hull
359 tons, Pacific Vegetable Oil, Liverpool
386 tons, Standard Bank, Port Harcourt
119,996 lbs, Colgate-Palmolive-Peet, Matadi
344,094 lbs, Swift Canadian Co, Matadi
1,309,649 lbs, Balfour Guthrie, Matadi
840,873 lbs, Matadi
100 dms, American Home Products Corp, Lisbon
PAPAIN—29 cs, Charles L Huisking, Tanganyika
43 cs, P O Hoffmann, Mombasa
34 cs, American Ferment Co, Colombo
7 cs, Charles L Huisking, Colombo
PAPRIKA—500 bgs, A A Sayia, Alicante
100 bgs, P H Petry, Alicante
15 bgs, Alicante
PARA-AMINOSALICYLIC ACID—20 kgs, Philipp Bauer Co, Hamburg
PARACHLOROCRESOL—5 kgs, Liverpool
PATCHOULI OIL—2 dms, Givaudan Delawanna, Penang
2 dms, Lo Curto & Funk Co, Penang
4 dms, Roure Dupont, Penang
PEATMOSS—4,500 bls, Premier Peatmoss Corp, Bremen
1,250 bls, J E Bernard, Bremen
PEPPER, BLACK—64 bgs, Imperial Commodities, Singapore
80 bgs, Branston Co, Cochin
160 bgs, East India Trading, Cochin
80 bgs, Mincing Trading Co, Cochin
80 bgs, Matex Co, Cochin
240 bgs, Joensson & Cross, Cochin
160 bgs, Bansidhar Gopaldes, Cochin
80 bgs, Superintendence Co, Cochin
880 bgs, Mincing Trading Co, Bombay
80 bgs, R T French Co, Bombay
80 bgs, D Hecht, Bombay
352 bgs, Bansidhar Gopaldas, Bombay
160 bgs, East India Trading Co, Bombay
80 bgs, Reuben Import & Export, Bombay
80 bgs, Internatio Rotterdam, Bombay
80 bgs, M Golodetz, Bombay
80 bgs, Otto Gerdau, Bombay
80 bgs, K A Export Co, Bombay
168 bgs, East India Trading Co, Singapore
84 bgs, Virchand Panachand, Singapore
84 bgs, Volkart Bros, Singapore
80 bgs, Arthur G Dunn, Bombay
80 bgs, A C Israel, Bombay
560 bgs, Volkart Bros, Cochin
240 bgs, Mincing Trading Co, Cochin
RED—142 bgs, Iskenderun
PERU BALSAM—3 dms, S B Penick, Cristobal
10 dms, Dodge & Olcott, Cristobal
PETITGRAIN OIL—2 dms, van Ameringen Haebler, Port Au Prince
1 dm, Norda Essential Oil & Chemical Co, Port Au Prince
1 cs, Major Forwarding Co, Port Au Prince
PETROLEUM, CRUDE—123,941 bbls, Socony Vacuum Oil, Puerto La Cruz
124,362 bbls, Esso Standard Oil, Puerto La Cruz
45,440 bbls, California Refining Co, Las Peidras
17,000 bbls, Pan American Refining Co, Las Peidras
103,541 bbls, Cities Service Oil, Amuay
PHARMACEUTICALS—6 cs, Mallinckrodt Chemical Works, Marseille
1 cs, D C Andrews, Durban
PLASTIC MATERIALS—10 dms, Detroit Lubricator Co, Rotterdam
POLYVINYLCHLORIDE—27 cs, American Lucoflex, Havre
POPPYSEED—100 bgs, Rotterdam
300 bgs, Catz American Co, Rotterdam
100 bgs, M J Golombeck, Rotterdam
100 bgs, Joel Bieler, Rotterdam
200 bgs, Sokol & Co, Buenos Aires
POTASH—10 bbls, Alltransport Inc, Hamburg
POTASSIUM CHROME ALUM—50 bbls, Hamburg
CYANIDE—500 dms, E I DuPont de Nemours, Liverpool
200 dms, Liverpool
200 dms, Rotterdam
400 dms, Henley & Co, Rotterdam
100 dms, C Hardy Inc, Havre
PERMANGANATE—8 dms, F M Browning Co, Rotterdam
PSYLLIUM SEED—205 bgs, S B Penick, Bombay
PYRETHRUM FLOWERS—750 bls, U S Industrial Chemicals, Mombasa
125 bls, R J Prentiss & Co, Mombasa
250 bls, U S Industrial Chemicals, Mombasa
QUEBRACHO EXTRACT—8,673 bgs, Tanimex Corp, Buenos Aires
2,656 bgs, International Products Co, Buenos Aires
510 bgs, American Dyewood Co, Buenos Aires
2,812 bgs, River Plate Import & Export, Buenos Aires
1,436 bgs, Carl M Loeb Rhoades, Buenos Aires
QUICKSILVER—4,929 flasks, Leghorn Trading Co, Genoa
500 flasks, Chase National Bank, Genoa
QUINIC ACID—1 cs, Guaranty Trust Co, Rotterdam
RAPESEED—100 bgs, F H Von Damm, Rotterdam
150 bgs, Hinton & Co, Rotterdam
100 bgs, S Davis Co, Rotterdam
250 bgs, Hartz Mountain Prod, Rotterdam
930 bgs, Rotterdam
OIL—1 bbl, M Sutton, Gothenburg
RESIN—60 cs, Lekas & Drivas, Piraeus
ROSEMARY LEAVES—60 bls, S B Penick, Lisbon
SAGE LEAVES—683 bls, Commercial Bank of Greece, Heraclion
180 bls, National City Bank, Heraclion
163 bls, Irving Trust Co, Heraclion
40 bgs, M J Golombeck, Beirut
200 bgs, Colonial Commerce Co, London
SAGO FLOUR—562 bgs, Harrisons & Crosfield, Singapore
SANDALWOOD—100 bgs, George Lueders, Bombay
SEEDLAC—500 bgs, Internatio Rotterdam, Singapore
SENNA LEAVES—55 bls, J L Hopkins, Colombo
125 bls, R J Prentiss & Co, Tuticorin
65 bls, Peek & Velsor, Tuticorin
50 bls, Meer Corp, Tuticorin
75 bls, Barber S S Co, London
SEED—200 bgs, Meer Corp, Hong Kong
100 bgs, R J Prentiss & Co, Hong Kong
SESAME SEED—200 bgs, Bank of Novia Scotia, Cristobal
50 bgs, Louis Furth, Hong Kong
OIL—7 cs, Wing Wo Lung, Hong Kong
SHARKLIVER OIL—50 dms, Corn Exchange Bank, Yokohama
SHELLAC—11 dms, F H Paul & Stein Bros, Rotterdam
40 bgs, F H Paul & Stein Bros, Rotterdam
50 mats, J H Winchester, Genoa
SODA ASH—7,450 bgs, Liverpool
7,454 bgs, Chemical Manufacturing Co, London
7,370 bgs, Republic Chemical Co, Havre
7,000 bgs, General Electric Co, Havre
1,960 bgs, Chemical Manufacturing Co, Havre
3,000 bgs, International Commodities Corp, Havre
6,000 bgs, Guaranty Trust Co, Rotterdam
10,000 bgs, Millmaster Chemical Corp, Rotterdam
17,505 bgs, Rotterdam
100 bgs, Manufacturers Chemical Co, Bremen
5,000 bgs, E D Streffe, Havre
10,000 bgs, Thatcher Glass Co, Havre
11,934 bgs, Libbey Owens Ford Glass Co, Rotterdam
10,930 bgs, Libbey Owens Ford Glass Co, Havre
1,000 bgs, Dunkirk
450 bgs, J H Maule, Dunkirk
5,556 bgs, Corning Glass Works, Dunkirk
3,723 bgs, Chemical Manufacturing Co, Hull
11,200 bgs, Charles Tennant Sons, Hull
7,465 bgs, Chemical Manufacturing Co, Liverpool
50 bgs, J M Baird Co, Glasgow
20 bgs, Glasgow
SODA, CAUSTIC—141 dms, Rotterdam
2,250 dms, M W Hardy & Co, Havre
781 dms, Liverpool
434 dms, Marine Midland Trust Co, Liverpool
168 dms, Republic Chemical Corp, Liverpool
96 dms, Industrial Raw Materials Corp, Liverpool
1,250 bgs, Republic Chemical Corp, Havre
SODIUM ALGINATE—2 cs, J Bancroft, Oslo
BICHROMATE—200 dms, M W Hardy & Co, Rotterdam
CHLORATE—5 dms, International Selling Co, Marseille
CYANIDE—100 bbls, Chemical Bank & Trust Co, Hamburg
GLUTAMATE, MONOBASIC—200 cs, Wilbur Ellis, Yokohama
METHYLATE—1 cs, Dorf International, Rotterdam
NITRITE—10 dms, Glasgow
50 dms, Enco Chemical Corp, Liverpool
25 dms, M W Hardy Co, Liverpool
74 cks, (21,628 kilos), Rotterdam
20 bbls (3,300 kilos), Rotterdam
PRUSSIATE—110 bgs, Rotterdam
SESQUICARBONATE—982 bgs, Procter & Gamble, Liverpool
2,064 bgs, Imperial Chemical Industries, Liverpool
SOY—100 dms, E Miltenberg, Hong Kong
SPERM OIL—100 dms, Glasgow
300 dms, Scandinavian Oil Co, Lisbon
SPERMACETI WAX—50 ctns, Glasgow
STARCH, RICE—100 bls, Stein Hall, Rotterdam
STAR FLOWERS—40 cs, J E Bernard, Santos
STRAMONIUM LEAVES—42 bls, S B Penick & Co, Lisbon
STYRAX GUM—232 cs, Magnus Mabee & Reynard, Istanbul
24 cs, Ungerer & Co, Istanbul
120 cs, Dodge & Olcott, Istanbul
SULPHURIC ACID—3,206,987 lbs, American Cyanamid Co, Thorreau
SWEET ROOTS—2 bls, S B Penick & Co, Lisbon
TANKAGE—615 bgs, Bunge Corp, Buenos Aires
TANNING EXTRACT—3,690 bgs, Industrial Extracts, Ltd, Fremantle
TAPIOCA FLOUR—200 bgs, Corn Products Refining Co, Puerto Plata
10,440 bgs, Stein Hall, Imbituba
1,500 bgs, Geismar & Co, Imbituba
9,022 bgs, Stein Hall, Itajai
500 bgs, Sembodja Co, Singapore
PEARL—209 bgs, Morningstar Nichol, Imbituba
TARTAR—384 bgs, Tartaric Raw Materials, Marseilles
THALLIUM SULPHATE—1 cs, International Selling Co, Marseilles
THIAMINE CHLORIDE—5 cs, Veltex Co, Manila
THYME LEAVES—301 bgs, Alicante
72 bgs, Seeck & Kade, Marseilles
OIL—3 dms, George Lueders, Alicante
TITANIUM DIOXIDE—1,000 bgs, Bluefries N Y, Rotterdam
11 dms, Allied Raw Materials Co, Barcelona
3 bbls, Allied Raw Materials Co, Barcelona
TRICHLOROETHYLENE—5 dms, International Selling Co, Marseilles
TUNGSTEN ORE—970 bgs, Melbourne
ULTRAMARINE BLUE—50 bbls, Fezandie & Sperrle, Rotterdam
UREA—600 bgs, American Cyanamid Co, Liverpool
240 bgs, Terra Chemicals, Inc, Rotterdam

UVA URSI LEAVES—35 bgs, Peck & Velsor, Alicante
VANILLA BEANS—110 cs, Zinc & Triest, Marseilles
24 cs, Thyme & Winters, Marseilles
45 cs, Dodge & Olcott, Marseilles
44 cs, Thurston & Braidich, Marseilles
VETIVER OIL—7 dms, Norda Essential Oil & Chemical Co, Port Au Prince
1 dm, Major Forwarding Co, Port Au Prince
1 cs, Major Forwarding Co, Port Au Prince
WATTLE BARK—1,109 bls, Hammond & Carpenter, Durban
553 bls, American Dyewood Co, Durban
WAX, SYNTHETIC—54 cs, American Alcolac Corp, London
WHITING—500 bgs, Davies Turner, London
300 bgs, H J Baker & Bros, Liverpool
1,600 bgs, Hammill & Gillespie, Hull
6,496 bgs, Smith Color & Chemical Co, Hull
WOOL GREASE—30 dms, Frank Fehr, Fremantle
YACCA GUM—152 bgs, G H Lincks, Adelaide
YLANG YLANG OIL—1 cs, Beton Co, Manila
ZINC CYANIDE—220 dms, Elbert & Co, Genoa

Baltimore

BONE FLOUR—1,100 bgs, Transatlantic Animal By-Products, Hamburg
MEAL—2,216 bgs, E J Lang, Rouen
1,103 bgs, E J Lang, Rotterdam
2,200 bgs, Maurice Pincoffs, Alexandria
1,120 bgs, E J Lang, Rouen
CARAWAYSEED—60 bgs, Baltimore Spice Co, Rotterdam
FERRO COLUMBIUM—6 dms, Metal Traders, Inc, London
TANTALUM—6 dms, Charles Tennant Sons, London
IRON OXIDE—588 bgs, Malaga
LIVERMEAL—993 bgs, Wessel, Duval, Montevideo
OLIVE OIL—1,170 dms, Pompeian Olive Oil Corp, Barcelona
FOOTS—200 dms, Schroder Bros, Lisbon
POPPYSEED—400 bgs, W G Scarlett, Buenos Aires
POTASSIUM CARBONATE—298 cks, Philipp Bros, Antwerp
TALC—682 bgs, Whittaker, Clark & Daniels, Marseilles
1,000 bgs, Salomon & Bros, Marseilles
TAPIOCA FLOUR—1,333 bgs, H F R Dolan, Itajai

Boston

ANILIN COLORS—60 dms, Industrial Trust Co, Rotterdam
BLOOD ALBUMEN—10 dms, National Shawmut Bank, Rotterdam
BONE—2,507 bgs, International Packers Commercial Co, Montevideo
CARAWAYSEED—50 bgs, Rotterdam
CASEIN—500 bgs, F H Paul & Stein, Buenos Aires
CHEMICALS—330 bgs, I M Sobin, Rotterdam
150 dms, Rotterdam
COCOA BUTTER—38 bbls, Woodward & Dickerson, Santos
DEXTRIN—50 bgs, Rotterdam
GLUE—772 bgs, Nicholson & Co, Hamburg
800 bgs, First National Bank of Boston, Hamburg
BONE—660 bgs, Transatlantic Animal By-Products, Rotterdam
GLUESTOCK—130 bls, H Meyer, Hamburg
174 bgs, Loumar Textile, Inc, Havre
GLYCERIN—10 dms, Rotterdam
HOOF MEAL—1,105 bgs, Anewalt Schmitt Co, Buenos Aires
OLIVE OIL—115 dms, Calvin Hosmer, Barcelona
295 dms, Alona Corp, Barcelona
OSSEINE—440 bgs, Rotterdam
POPPYSEED—100 bgs, Rotterdam
QUEBRACHO EXTRACT—2,700 bgs, International Products Corp, Buenos Aires
750 bgs, River Plate Import & Export Corp, Buenos Aires
3,735 bgs, Carl M Loeb Rhoades, Buenos Aires
SODIUM CYANIDE—100 bbls, Chemical Bank, Hamburg
TAPIOCA FLOUR—2,000 bgs, Geismar & Co, Santos
2,300 bgs, Stein Hall, Imbituba
1,200 bgs, Stein Hall, Itajai
300 bgs, Sembodja Co, Singapore
TRAGACANTH GUM—25 cs, Arnold Hoffman Co, Marseilles

Camden

CASEIN—2,000 bgs, Wilbur Ellis Co, Buenos Aires
FERTILIZER—453,600 lbs, Millmaster Chemical Corp, Bremen

Houston

PEATMOSS—375 bls, Halfmoon Manufacturing & Trading Co, Rotterdam

Los Angeles

COTTON LINTERS—27 bls, R F Samuels, Karachi

Mobile

PEATMOSS—480 bls, Halfmoon Manufacturing & Trading Co, Rotterdam

Norfolk

COCOA DUST—400 bgs, Woodward & Dickerson, London
EXPELLER CAKE—934 bgs, Woodward & Dickerson, London
ROCK—50 bgs, Woodward & Dickerson, London
SCRAP—197 bgs, E J Lang, Rouen
COTTON LINTERS—183 bls, Tento Export Corp, Liverpool
272 bls, Williamson Northrup, Santos
FERTILIZER—1,334 bgs, Hollingshurst & Co, London
1,657 bgs, J C Jett, London
1,719 bgs, London
POPPYSEED—200 bgs, Rotterdam

Philadelphia

ANTIMONY REGULUS—250 cs, Rouen
ARABIC GUM—250 bgs, Philadelphia National Bank, Port Sudan
ASBESTOS FIBER—1,200 bgs, Keasby & Mattison Co, Beira
400 bgs, Beira
BARYTES, CRUDE—4,000 tons, E I du Pont de Nemours, Watton
BONE—2,072 bgs, American Agricultural Chemicals, Casablanca
CRUSHED—145,000 kilos, Baugh & Sons Co, Buenos Aires
BRAZIL WOOD—1,652 pcs, American Dyewood Co, Cristobal
CRESYLIC ACID—110 dms, Concord Chemical Co, Liverpool
FLOURITE ROCK—507 tons, Irving Trust Co, Cagliari
KRYOLITE—2,100 tons, Penn Salt Mfg Co, Ivigtut
MANGANESE ORE—5,000 tons, E J Lavino & Co, Takoradi
NEATSFOOT OIL—50 tcs, International Packers Commercial Co, Montevideo
34 cks, Tupman Thurlow Co, Buenos Aires
STOCK—68 tcs, International Packers Commercial Co, Buenos Aires
PEATMOSS—1,890 bls, Premier Peatmoss Co, Bremen
PETROLEUM, CRUDE—8,555,817 gls, Atlantic Refining Co, Ras Tanura
519,252 bbls, Gulf Oil Corp, Puerto La Cruz
199,394 bbls, Texas Oil Co, Las Piedras
384,150 bbls, Gulf Oil Co, Mena Al Ahmadi
121,433 bbls, Socony Vacuum Oil, Covenas
109,123 bbls, Texas Oil Co, Ras Tanura
104,482 bbls, Atlantic Refining Co, Las Piedras
112,096 bbls, Texas Oil Co, Puerto La Cruz
113,049 bbls, California Refining Co, Ras Tanura
118,540 bbls, Sinclair Navigation Co, Tuxpaw
124,645 bbls, Atlantic Refining Co, Puerto La Cruz
123,266 bbls, Socony Vacuum Oil, Paulsboro
186,696 bbls, Socony Vacuum Oil, Mena Al Ahmadi
RED, IRON OXIDE—1,087 bgs, F B Vandergrift, Malaga
SODA ASH—1,000 bgs, Republic Chemical Corp, Havre
SODIUM BICARBONATE — 996 bgs, Chemical Manufacturing Co, Liverpool
QUEBRACHO EXTRACT—706 bgs, Bank of New York, Buenos Aires
521 bgs, American Dyewood Co, Buenos Aires
547 bgs, River Plate Import & Export Co, Buenos Aires
UREA—1,500 bgs, Chemical Manufacturing Co, Liverpool
VERMICULITE ORE—151 tons, American Vermiculite Corp, Lourenco Marques
WATTLE EXTRACT—540 bgs, Barkey Importing Co, Mombasa
ZIRCON SAND—5,000 bgs, Brisbane

San Francisco

AGAR—10 bls, Pacific Mutual Sales, Yokohama
3 bls, F M Nonaka & Co, Kobe
5 bls, Hosoda Bros, Kobe
AMMONIA MURIATE—120 bgs, Chemical Manufacturing Co, Manchester
ASBESTOS FIBER—1,000 bgs, Commercial National Bank, Lourenco Marques
BAUXITE ORE—4,258 tons, General Chemical Div, Paramaribo
BONE, CRUSHED—450 tons, Consolidated Chemical Industries, Buenos Aires
CAMPHOR, POWDER—100 cs, Louis L Krause, Hong Kong

—Continued on page 79

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Botanical Drugs, Spices, Gums

The botanical market last week broke once more into a rash of price changes. When price activity was at its height, the market index reached 213.0 but when pressure on the market was reduced, the index became 212.3, which was still 0.8 point above the previous index level.

Of the fifty-five price changes reported, twenty-eight were advances and twenty-seven were declines. In botanical drugs, there were ten advances and nine declines. In condimental items, eighteen were higher and eighteen were lower. Thus, ups and downs were almost evenly divided, but in drug items versus flavoring materials. The changes in condimental items exceeded those in drugs by almost two to one.

The appearance of some price declines in drug items was in some contrast with the recently almost complete concentration of price changing in the direction of higher levels. Some falling off in the "hot" demand spawned by the Korean war reintroduced into the spot market a modicum of competition for orders. When the war started, buyers competed for goods. Last week, buyers found dealers more disposed to sharpen the pencil when firm orders were in sight, thus to meet reasonable bids by buyers.

Dealers continued to hold that the majority of botanicals were firm to strong in price. This view seemed based on subnormal offerings at most origins. Nor did they find anything which, in the foreseeable future, would be apt to erase the worldwide conditions that have brought about the at present strong situation.

Balsams

Copaiba—The spot market continued to gain strength and several quarters were not quoting under 80c. to 95c. per pound last week. The minimum price was 75c. and only limited quantities were offered at that level. Replacement was very firm.

Peru—The market still worked toward higher price levels and at the end of last week quotations stood on the basis of $1.10 to $1.35 per pound, range covering sellers' price opinions.

Barks

Barberry—Demand was spotty for the most part, sufficiently so that, when combined with availability of material, prices were distinctly favorable for consumers' operations. However, local suppliers made no change in open quotations during last week.

Orange Peel — Getting goods released on arrival here continued to be a problem for importers and the problem has also assisted in bringing about a firmer, possibly stronger, price position in local circles. The latest detention totaled 85 bags, declared by the Food and Drug Administration to be filthy.

Sassafras—Good quality of select bark will not be overly abundant when demand arises after the turn of the year. Collection on the whole has averaged less than what some dealers consider to be probable needs. Prices at all points were firmer last week.

Soap—The market moved slightly higher. Whole became 24c. to 27c. per pound, depending on supplier; crushed, 29c. to 35c.; powdered, 30c. to 35c. The market at the source was one of strength.

White Pine—Pressure for supplies to meet early season requirements revealed a market of substantial strength at whatever center. The forecast in recent weeks has been for a strong and strengthening market once consuming requirements are covered in volume. Local quotations were 18c. to 20c. per pound and spot sellers were disposed to assume a reserved position.

Beans

Vanilla—Spot prices on Bourbon beans have risen to $3.90 to $4.25 per pound, a limited reflection of the strength prevailing in the primary market where replacement costs are close to the locally quoted prices. Demand in this market has undergone some improvement but the gain has been moderate and not at all of the volume associated with an active market. Very few offerings have been made to this market by French shippers and it has been inferred that the factors in France cannot or wont pay the currently asked shipment prices at the origin. One factor that has kept down buying by domestic makers of extracts has been the alcohol situation. Those who make alcoholic extracts have reported great difficulty in getting enough alcohol to meet their requirements. Failing an adequate supply of alcohol, the users of vanilla beans have kept their consumption of beans at conservative levels. Yet the market at the origin remains strong and there have been even some reports of speculative buying by some shippers in anticipation of demand to arise later in the United States.

Berries

Juniper—Detentions from the last week in August through September have totaled 827 bags, detained by order of the Food and Drug Administration because of the goods being contaminated with what the administration calls "filth." In most instances, "filth" means rodent excreta. Such detentions have increased the price of released goods, which last week reached 12c. to 15c. per pound as compared with a price around 5c. that prevailed a few months back.

Flowers

Chamomile—Arrival of 140 cases of this material did not produce an easing of spot prices. The market remained very firm on the basis of the price advance that had been caused by scarcity. Quota-

Market Trends

Prices Advanced

Drugs

Camphor, synthetic, 5c. per lb.
Fenugreek seed, Morocco, ½c. per lb.
Ipecac root, whole, 50c. per lb.
powdered, 50c. per lb.
Juniper berries, 2c. per lb.
Senega root, 20c. per lb.
Snakeroot, Canadian, 30c. per lb.
Soap bark, whole, 1c. per lb.
crushed, 1c. per lb.
powdered, 1c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Cardamom, decorticated, Guatemalan, 20c. per lb.
green, Alleppey, 25c. per lb.
Ceylon, 25c. per lb.
Clove, Zanzibar, 1c. per lb.
Dillseed, dewhiskered, ½c. per lb.
Fennel seed, Indian, ½c. per lb.
Mace, Banda, No. 1, 12c. per lb.
Marjoram, Bohemian, 2c. per lb.
Chilean, 3c. per lb.
Nutmegs, E. I., shipment, 3c. per lb.
West Indian, 4c. per lb.
Oregano, Italian, 3c. per lb.
Pepper, red, Carolina longs, 2c. per lb.
Sesame seed, China, natural, 2½c. per lb.
hulled, 3c. per lb.
Vanilla beans, Bourbon, 15c. per lb.
Turmeric, Madras, 1c. per lb.

Prices Reduced

Drugs

Buchu leaves, 3c. per lb.
Euphorbia pil herb, 2c. per lb.
Fenugreek seed, Syrian, ½c. per lb.
Ginger root, African, spot, 3c. per lb.
Nigerian, split, 1c. per lb.
Horehound herb, 3c. per lb.
Lobelia leaves, 5c. per lb.
Rhubarb, Indian, whole, 10c. per lb.
powder, 15c. per lb.

Other Articles

Anise, Chinese star, 1c. per lb.
Czech, ½c. per lb.
Turkish, ½c. per lb.
Cassia, China, Canton, Kwangsi, rolls, 1c. per lb.
broken, 1½c. per lb.
Honan, Yunnan, scraped, 1¼c. per lb.
broken, ¾c. per lb.
unscraped, ½c. per lb.
broken, ½c. per lb.
Saigon, rolls, broken, 3c. per lb.
Cinnamon, Ceylon, No. 2, 3c. per lb.
Grains of paradise, 2c. per lb.
Oregano, Mexican, ½c. per lb.
Pepper, red, Hontaka, 2c. per lb.
black, spot, 15c. per lb.
Thyme, French, ½c. per lb.
Turmeric, Haitian, ½c. per lb.
Jamaican, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
212.3	211.5	202.5	193.6	185.1

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended September 22

New York

Carragheen moss, 100 bales: filthy.
Cassia, 85 bales: filthy.
Celery seed, 42 bags: filthy.
Cod oil, 206 drums: decomposed.
Coriander seed, 470 bags: filthy.
Dandelion root, 20 bales: filthy.
Ergot, 100 bags: excessive moisture.
Honey, 12 drums: filthy.
Mace, 3 cases: filthy.
Mustard seed, 100 bags: filthy.
Nutmegs, 350 bags: filthy.
Olive oil, 300 cases: prohibited guarantee and short volume.
Orange peel, 85 bags: filthy.
Orris root, 219 bags: filthy.
Pepper, 643 bags: filthy.
Pumpkin seed, 270 bags: filthy.
Sage leaves, 6 bales: excessive stems.

For Late Market Developments, See Page 4

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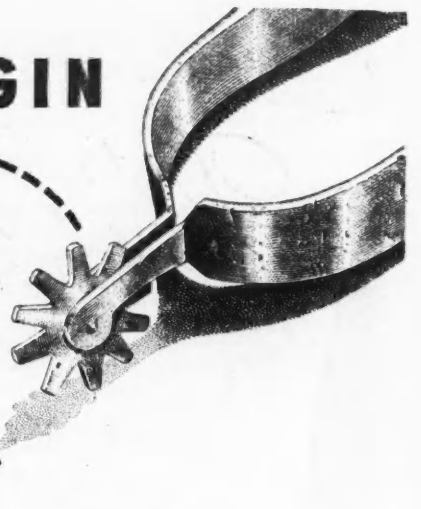

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tions ranged 85c. to $1 per pound on Hungarian flowers.

Lavender—A firm, well sustained price schedule was evidence of strength abroad rather than of demand on spot. The call was for jobbing quantities and reached a low total.

Linden—No easing of replacement prices appeared to be the forecast of firmness in currently prevailing spot prices.

Gums

Camphor—The present very high cost of turpentine has forced a rise in quotations on synthetic camphor as of October 1. The advance affected technical and USP materials equally. The new quotations are:—USP granular or powder, ton lots, 50c. per lb.; 1,000 pound lots, 51c.; smaller lots, 52c.; tablets, ton lots, 78c.; 1,000 pound lots, 79c.; smaller lots, 80c.

Locust Bean—Good consuming demand and not too large a spot stock resulted in prices showing considerable strength, especially in view of the fact that source prices were items of strength, too.

Sandarac—This article was not readily replaceable at the origin where quotations were substantially firm in a market lacking the simplest elements of sales competition. Demand here was fair.

Herbs and Leaves

Buchu—After a period of substantially steady prices and market conditions, the spot developed a more competitive opinion in some quarters and the result was lower prices at 42c. to 50c. per pound during most of the past week. Not all dealers met the break.

Euphorbia—Under the influence of a gain in spot offerings of goods bought to greater advantage at the origin, spot quotations became lower at 16c. to 18c. per pound last week.

Horehound—Some goods bought a considerable time back have come to this market at a cost permitting establishment of the lower quotation of 15c. to 16c. per pound under competition.

Lobelia—Leaves eased and declined once more as new crop became available in quantities not forecast by earlier opinion on probable collection. Spot quotations became 80c. to 85c. per pound. Herb remained fairly steady at 55c. to 56c.

Marjoram—Bohemian herb was advanced to 40c. to 41c. per pound and Chilean was up sharply to 37c. to 38c. Very little French material was in hand at a nominal price of 50c. Peruvian held unchanged at 34c. for some qualities and at 42c. for standard goods.

Oregano—Italian herb was higher at 18½c. to 19c. per pound but Mexican material was shaded to 16c. to 16½c.

Sage—Dalmatian advanced once more to the $1.25 per pound level prevailing not so long ago. And the market was still poorly supplied with goods.

Senna—Cables from India emphasized the strength of the replacement market and indicated that not too much material remains unsold at the origin. Spot quotations were mainly firm, though the TV No. 2 in one quarter was quoted down to 18c. as compared with others who refused business at less than 22c.

Sweet Basil—Local merchants said that good quality material grown in California was not available under $1.20 per pound. Some French herb of not too good quality has been kicking around and selling poorly around 90c.

Thyme—French material on spot was shaded to 15½c. to 16c. per pound and Spanish goods were still available at 8½c. to 9c.

Miscellaneous

Cantharides—More than sufficient merchandise to cover the currently small demand was available under price conditions that, so far as Chinese flies were concerned, were distinctly favorable to buyers—who continued their extended siesta.

Ergot—No one had much spot NF quality material in hand and the narrow stock was not aided in the least when the Food and Drug Administration detained 100 bags because of too high moisture content on arrival here. The packing in bags alone would have made release questionable since official rules require shipment in moisture proof tinlined cases.

Grains of Paradise—As low as 44c. per pound was quoted and as high as 55c. to 60c. was wanted in some quarters. The spicers have an odd acting pepper in this item.

Roots

Dandelion—Recent arrivals totaling 20 bales were detained by the Food and Drug Administration because the root also contained "filth." The more active season of the year wont start with a normal supply in local warehouses.

Goldenseal—The tendency for prices to rise was unabated on spot, though the market was still quoted $3.75 to $4 per pound for whole and $4.30 to $4.50 for powder. No depression prevailed at the origins where not too much has been collected this year.

Ipecac—Price advances were resumed last week and at the end of the trading period, whole root stood at $5.50 to $5.75 per pound while powder was held at $5.75 to $6.50. The price to be paid depended mainly on seller, quality, and quantity. Replacement prices were items of substantial strength at the origins.

Mandrake — Though quotably unchanged, the market seemed to have a firming tendency which would probably come to fruition were normal, seasonal demand from podophyllin makers to appear in the domestic markets. Some fair sized holdings of 1949 collection still remain unsold but the quantity is decreasing in some measure. The 1950 collection was not a bumper crop.

Rhubarb—Chinese root remained very firm, being relatively scarce and not readily to be obtained at the source. Indian root, on the contrary, developed a more competitive spot position last week and the market closed lower at 30c. to 35c. per pound for whole and 35c. to 40c. for powder.

Senega—Unsold stocks at most points were not large and they were in strong hands. Spot quotations rose to $2.70 to $2.80 per pound and appeared to be subject to confirmation whensoever a firm order should reach this market at least.

Snake—Canadian root was extremely scarce and those on spot with a fair supply wanted upwards of 80c. to 90c. per pound last week.

Turmeric—Haitian was lower at 10c. to 10¼c. per pound. Jamaican was off to 10c. to 10½c. But Madras root was raised to 17c. to 17½c. Alleppey root held unchanged at 35c. to 36c.

Seeds

Anise—Czech seed was shaded to 15½c. to 16c. per pound Chinese star anise was at least as low as 24c. to 25c. and at one time last week spot goods could have been had for 22½c. Turkish seed was down to 15½c. to 16c. Mexican was unchanged at 16c. to 16½c.

Cardamom—Decorticated Alleppey seed was nominally $4 per pound but it seemed a price in name only since no spot goods were known definitely to be available; recent offerings had been afloat. Guatemalan "decorated" material was scarce and strong at a rise to $3.95 to $4. It was doubtful that Indian or Mangalore material could still be had at recent quotes. Green Alleppey and Ceylon seed

—*Continued on page 64*

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Essential Oils, Other Aromatics

Last week saw a decided change in the state of the essential oils and aromatic chemicals market. Following three steady months of sharp price advances and excessive buying, the market seemed to calm down considerably. Prices continued to be very strong and a number of increases were noted, but they were far less severe than previously. It appeared that a peak had been reached and a period of leveling might now follow. Twelve oils moved higher by various amounts. These included the domestic cedarleaf, dillweed, California lemon and Florida mandarin oils, as well as the lavenders, clove, eucalyptus, palmarosa and pennyroyal oils from abroad. Heliotropine, linalool, nerolin, phenylethyl alcohol and yara yara were also advanced. The five items which declined in price were bois de rose, caraway, Messina lemon, ocotea cymbarum and peppermint oils. These reductions were not indications of easing supply conditions, but were based, rather, on local competition. For the first time in a long while, the various price increases and declines were balanced, leaving the price index unchanged at 189.9.

Material from the Far East and Indonesia continued to be limited and high priced. This was particularly true of such items as cananga and patchouli oils from Indonesia, clove and floral oils from Madagascar and Reunion Island, and all oils from India and China. Good quality eucalyptus oil has also grown very scarce and replacement costs were reported to be higner than prices being asked for spot material.

Domestic oils remained quite strong, although reports from the country indicated that most crops were fairly successful. The higher cost of living has forced growers and distillers to ask higher returns for their materials.

Prices of a number of aromatic chemicals moved up and there were signs of others following the trend. Increased production costs and a scarcity of some of the basic raw materials have been blamed for this situation.

Market Trends

Prices Advanced

Abies siberica oil, 10c. per lb.
Almond oil, bitter, FPA, 25c. per lb.
Camphor oil, white, 2c. per lb.
Cedarleaf oil, 5c. per lb.
Clove oil, 5c. per lb.
Dillweed oil, 15c. per lb.
Eucalyptus oil, 80-90%, 5c. per lb.
Heliotropine, 10c. per lb.
Lavender flower oil, 30-32%, 25c. per lb.
38-40%, 60c. per lb.
40-42%, 10c. per lb.
spike oil, 15c. per lb.
Lemon oil, California, 5c. per lb.
Linalool, ex bois de rose, 10c. per lb.
Mandarin oil, Florida, 15c. per lb.
Nerolin, 20c. per lb.
Palmarosa oil, 35c. per lb.
Pennyroyal oil, imported, 35c. per lb.
Phenylethyl alcohol, 10c. per lb.
Yara yara, 20c. per lb.

Prices Reduced

Bois de rose oil, 5c. per lb.
Caraway oil, 5c. per lb.
Lemon oil, Messina, 15c. per lb.
Ocotea cymbarum oil, 3c. per lb.
Peppermint oil, natural, 25c. per lb.
redistilled, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
189.9	189.9	174.1	102.8	105.0

(For Current Prices see Page 9)

Essential Oils

Abies Siberica—A steady rise, based mainly on the inability of handlers to get replacements, left the price last week at $3.60 to $4 per pound. It was not possible to tell what the future might bring, but dealers were inclined to believe that the material would remain tight for some time to come.

Almond—Natural bitter FPA oil became somewhat higher in price, ranging from $3.50 to $5 per pound. Other varieties continued unchanged. The market was rather quiet and there were apparently sufficient stocks to meet the normal demand.

Amyris—With demand limited to the soap industry and inquiry from users rather small, this oil remained fairly stable at prices from $1.60 to $2 per pound. Offerings from the West Indian source were great enough to fill all requirements.

Bergamot—Natural Italian oil grew even more scarce than formerly. Dealers, who were unable to obtain replacements, placed the price of the remaining stocks at $6.25 to $6.70 per pound. These prices were higher than any for this item since the end of World War II.

Camphor—White oil was slightly higher last week at 22c. to 60c. per pound. Sassafrassy oil continued unchanged at 24c. to 60c. per pound. According to the trade, the material was not too free. There were apparently ample stocks on spot, but very little new material was offered at the source.

Cananga—As has been the case of most oils from Indonesia, this item has been coming to market in extremely small quantities. Dealers reported it to be quite tight and prices were maintained at the high level which has prevailed for the past few months. Native oil could be obtained in limited amounts at $4.50 to $5.25 per pound, while the rectified item was priced at $5.35 to $6.25 per pound. In was apparent that more of the material could be used than was available.

Caraway—Following reports that the material was extremely scarce, some good shipments were received from the source, and dealers found the picture a bit more favorable. A decline of 5c. per pound was registered last week, making the material available at $3.65 to $4.20 per pound.

Cardamom—While prices continued unchanged, dealers reported a serious shortage of this material. It was felt that it might become more expensive before very long, since little has been trickling in from abroad.

Cedarleaf—Further price strengthening was noted last week, when the spot quotation advanced 5c. per pound to stand at $2.30 to $2.50 per pound. This article was rather limited in availability and was being held for higher prices in the country, according to observers.

Clove—A 5c. per pound rise was recorded last week and the material was offered from $2 to $2.45 per pound. According to dealers, there has been an increase in the quantities of spice being shipped to the market, but at advanced prices. It was hoped, however, that the freer supply might improve the situation of the oil which has been very tight for the past few months. Aromatic derivatives of this oil have suffered and their manufacturers were hard put to meet the needs of consumers.

Dillseed—Dealers reported this item to be in a fairly good supply condition. There was evidently a good stock and prices were showing a tendency toward easing, although the price range continued at $6.35 to $7.75 per pound. Consumer interest was rather mild, since the domestic dillweed oil could be had for much less money.

Dillweed—Although the minimum offer was advanced to $4.90 per pound, handlers felt that this oil was in a better position than it was formerly. It was offered at prices up to $5.50. According to word received from the West Coast, this year's crop was quite successful and supplies should continue to come to market in good quantity, although heavy contract buying took a large portion of the new material. There was very active inquiry for the oil, particularly from picklers and flavoring producers.

Eucalyptus—An increase of 5c. per pound was reported for the 80-90 percent oil, putting the price at 85c. to $1.25 per pound. The 70-80 percent grade oil was still offered at 70c. per pound by one dealer, although others put their prices slightly higher, ranging up to 90c. There was little good-quality material being shipped, and, according to the trade, shipping prices for new material were higher than those on spot. This pointed toward the probable increase of the market prices in the near future.

Garlic—Supplies were reportedly hard to get and dealers continued to keep prices at the high level of the past few months. There was little trading activity in this market.

Ginger—With roots of both African and Jamaican origin extremely hard to obtain, prices were firmly held at the level arrived at several weeks ago, ranging from $23 to $24 per pound. Dealers expected the situation to continue at least until the new crop becomes ready for distillation, some months from now.

Lavandin—According to a report received by one dealer from the French source, prices at the origin seemed to have been stabilized. The primary market was felt to be easier than it has been in recent weeks with some distillers now more inclined to sell. The demand was found to be moderate, but was sufficient to maintain the established prices. At the origin it was believed that prices might ease somewhat by December. Spot prices were held at $2.55 to $3 per pound.

Lavender—All grades moved higher

For Late Market Developments, See Page 4

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last week. The 30-32 percent ester material was priced at $3 to $4 per pound, the 38-40 percent item at $5.40 to $5.75 and the 40-42 percent oil at $5.60 to $6.25 per pound. Dealers were inclined to feel that these oils had reached peak prices and might be expected to either maintain those prices, or, in the event of improved conditions, move downward. One observer, in viewing the situations, based the difficult position of these materials on three factors. The first of these was a poor crop which suffered from bad weather conditions. During May and June, France experienced great heat with no rain, resulting in a 30 percent smaller yield than had been expected. Then, too, high taxes imposed by the government and the increased cost of labor pushed production costs higher. Finally, the Korean situation added spark to the market and the rush to buy gave producers the opportunity to ask and get higher returns. Spanish spike oil moved higher by 15c. a pound and was offered at $1.50 to $1.70. This was higher than the oil has been for the past three years.

Lemon—There were local price fluctuations last week, which resulted in an increase of 5c. per pound in the minimum offer of California oil. Depending upon brand, prices ranged from $4 to $4.25 per pound. A survey of the lemon industry has indicated a growing interest in frozen lemonade which growers hoped might rival the booming frozen orange juice business. As yet, this is limited to the warm season of the year, but it was expected that crops may be enlarged in the future. Just what effect this may have upon the oil situation was open to conjecture. Material from Italy was still tight and seemed to be growing still scarcer. However, one local dealer offered oil of that origin 15c. below last week's minimum and the prices varied widely from $3.85 to $7.50 per pound.

Mace—Reports from the trade showed this oil to be gaining additional strength. It was offered in limited quantities at $3.50 to $4.90 per pound.

Mandarin—With stocks growing scarce, the Floridian oil was further advanced, being quoted at $1.90 to $1.95 per pound. Italian oil was unchanged at $5.50 to $8.50 per pound and was extremely limited in quantity.

Ocotea Cymbarum—One dealer quoted this oil at the slightly lower price of 65c. per pound. However, others placed the item higher, from 70c. to 90c. per pound. Adequate replacements have been arriving on the spot market to meet all requirements, but there was a tendency toward firmness in the costs.

Orange—Material from California remained unchanged at quotations ranging from $1.15 to $1.75 per pound, according to producer. Florida oil also held firm, with one dealer quoting at a low price of 90c. per pound. Others placed their material somewhat higher, from $1.10 to $1.50 per pound. All types were fairly tight and were expected to maintain present strength.

Palmarosa—A 35c. per pound advance was registered last week putting the minimum price at $7.85 and ranging up to $10.50. Supplies were coming to market in fair amounts, but at higher price levels.

Patchouli—Although prices were held at the same level that has prevailed for the past month handlers found the supply situation very unfavorable. Like all other Indonesian materials little has been able to reach the market. Unsettled political conditions in that area have greatly curtailed the normal commerce of the islands and consumers have suffered because of higher prices and limited supply.

Pennyroyal—This oil moved sharply higher last week, reaching a price level of $5.50 to $5.75 per pound. This was substantially higher than the prices of this item for the past few years.

Peppermint—Spot prices continued to fluctuate and last week were slightly lower than previous quotations. Natural oil could be had at $6 to $6.85 per pound and redistilled oil was priced at $6.50 to $7.25. According to handlers material was freely offered from the new crop, but future prices depended upon those asked by the farmers.

Savory—An inquiry made of dealers indicated that there were no spot stocks of this small item. It was stated, however, that material could be obtained for distillation upon order from consumers.

Snakeroot—Particularly scarce, this oil was offered in small quantities by only a few dealers. Quotations ranged widely from $19.25 to $35 per pound.

Turpentine—Following the advance which occurred the previous week, dealers last week reported further strengthening of this market, with prices jumping to as high as 48c. per pound.

Aromatic Chemicals

Anisic Aldehyde—Varying reports have been received concerning this article. In some quarters it was said to be extremely tight, while others reported good stocks and limited interest. It may be that consumers were beginning to make inquiry for the item as might be expected at this time of year, after an unusual lag in orders.

Heliotropine—An advance in the price of this article was noted last week, placing the market at $3.10 to $3.20 per pound.

Hydroxycitronellal—There were indications that a price advance for this item was imminent. At the time of this writing the change had not yet occurred, but it was expected that the increase might amount to 50c. per pound.

Linalool—With the advance in the price of bois de rose oil, this derivative showed the effect by moving to the higher prices of $5.50 to $5.75 per pound. Material prepared from lignaloe wood oil remained unchanged. However, the recent rise in the price of that oil may be expected to strengthen the price of the aromatic.

Nerolin—Based on the increased cost of raw materials, this chemical was advanced in price last week. It was offered between $2.25 and $2.30 per pound.

Phenylethyl Alcohol—An advance of 10c. per pound was announced for this widely used item and quotations ranged from $1.40 to $1.60 per pound. As has been the case of many aromatic chemicals, producers reported a rise in the cost of the basic materials used in the preparation of the article.

Vanillin—Although other varieties have been in extremely short supply and unavailable on the open market, material derived from lignin was reported by producers to be freely offered at prices ranging from $3 to $3.15 per pound, depending upon quantity.

Yara Yara—In a position similar to that of the related nerolin, this article has suffered from the high cost and shortage of raw materials, forcing producers to advance the market price to $2.25 to $2.30 per pound.

Botanical Drugs

—Continued from page 62

were up to $3.25 to $3.30 and strong at the source too.

Dill—Dewhiskered seed sold higher at 14c. to 14½c. per pound.

Fenugreek — Some readjustment of prices resulted in Moroccan seed selling higher at 6½c. to 7c. per pound while the produce of Syria sold lower at 6½c. to 7c.

Mustard—News from Montana was that considerable damage by frost had caused holders of new crop to withdraw all prices for the time being. Last quotations had been 5c. at the source. Restoration of prices should come soon. Washington yellow was also not among spot offerings last week. Californian, Dutch and English seed remained without change in price.

Spices

Allspice—The Mexican article was returned to the lists in future position only, being offered at a rise to 22c. to 23c. per pound.

Cassia — Prices eased under competition. Chinese Canton and Kwangsi rolls were down to 15c. to 15½c. per pound; in broken form they were quoted 14c. to 14¼c. for spots and 13½c. to 14c. for shipment. Honan and Yunnan rolls, when whole and scraped, sold lower at 16¾c. to 17c.; broken, 16¼c. to 16½c.; unscraped, whole, 16¼c. to 16½c.; broken, 15½c. to 16c. Broken Saigon rolls were sharply cut to 34c. to 35c.

Cinnamon—Ceylon No. 2 was shaded to 36c. to 37c. per pound.

Clove—Zanzibar spice rose to 26½c. to 27c. per pound, spot. Madagascar spice remained unchanged at 25½c. to 26c.

Ginger — Considered to be basically strong at practically all origins, and on spot, too, because of low supply, some shifting of spot quotations came in favor of buyers. African on spot was quoted at 45c. to 45½c. per pound and the same figure ruled on root afloat. This despite the fact that stocks at the origin were declared completely sold into secondary markets. Nigerian split root was lower at 34c. to 35c. Jamaica root was hard to buy at any price.

Mace—Banda No. 1 reached the zenith of price advance to this time when it sold at $2 to $2.05 per pound.

Nutmegs — East Indian nutmegs were held for 70c. to 71c. per pound last week, identical with the price recently and still named on spot goods. West Indian material on spot became 52c. to 53c. per pound while shipment was 53c. to 54c.—both the result of advances.

Pepper — The market was relatively quiet most of the past week. India offered very little and Indonesia none at all. Black pepper on spot brought $1.95 per pound most of the time. Lampong that had been offered for December-January steamer at $1.45 was up 20c. in midweek cables. White pepper afloat was sold at $2.85. Red Carolina longs for prompt delivery were up to 38c. to 38½c. per pound. Hontaka red pepper was down to 48c. to 48½c. No Sudanese red pepper was quoted.

Black pepper on Friday was quoted as follows:—Spot, $1.80 to $1.85 per pound; October shipment, $1.75 to $1.78; October delivery, $1.78 to $1.80; November delivery, $1.75.

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rotective Coatings Materials

dvances in colors and further revi- s in the phthalates featured this mar- last week. Casein and lecithin were on the high side. There were no nward revisions. The rise in prices ted the weekly index figure to 206.6 n the previous week's level of 193.3. arbon black was up by ½c. on both and contract. Iron blues increased 5c, in a strong market. The gener- stronger tone also affected chrome n, dark, light and medium, putting p 2c. Chrome orange was stronger 4c, and one source said a further ad- ce was planned later in the month. nge molybdate also climbed. Red toner and red toluidin toner were er, with demand for both running ng against a none too large supply. ow chrome and yellow zinc felt the ard push of listings.

ead and zinc pigments remained un- nged. The metals were without fea- , although both were in a strong de- d and were expected to continue that

ynthetic resins were still in a difficult tion. The settling of the chlorine ke presented a little hope of easing the demand was strong and appeared ly to stay that way. Some of the nat- resins were up. Demand was good most orders could be filled although letimes it took a little time. Shellac steady. The ending of the strikes expected to ease production. The nalates were still fluctuating and were obably not leveled off yet.

luminum organic salts held to their ner levels despite a rise in the metal. entine casein was higher although er grades were holding. The flush on in the Argentine is expected to t in about two weeks.

ime Pigments

luminum Paste, Powder—Despite ther advance in the price of the metal, ngs on the paste and powder were hanged during the period under re- v. One producer said it doubted there ld be any revisions because prices t up on September 1 and were thought ave advanced sufficiently to cover the st rise in the metal. Demand was con- ing at a very high level and supply a good deal to be desired The levels which prices were holding as of last k were:—paste, lining, extra fine, 2c.; standard, 41c.; powder, lining, ex- fine, 97½c.; standard, 68½c.; rubber p., 58½c.; unpolished, standard, 54½c. varnish, standard, 59c.

ntimony Oxide—A 2c. rise in price noted last week, but it was not general oughout the industry and for that rea- the low of the range was still holding, ough the high side was up. This made new listings 27½c. to 29½c. in car- s and 28½c. to 30½c. in less than oads.

lack, Carbon—Advances of ½c. per nd. for both spot and contract, went effect October 1. This made the new ngs:—channel, beads, bulk, carload, bags, carload, .0740c., and less car- l, .1225c. uncompressed, regular, bags, load .0950c., bags or cartons, less car- l. .1550c.; furnace, fast extruding, bags, oad, .06c. cartons, less carload, .10c.; h modulus, bags, carload, .0550c., car- s, less carload, .0950c.; semi-reinforcing, s, carload, .04c., cartons, .08c.; very . bags, carloads, .08c., less carload, 0c.

lues, Iron—Chinese, Milori and Prus- advanced by 5c. per pound during the week to become established at 42c. October 1. Soda blue was 3c. higher at ew listing of 42c. Demand continued at d levels. Supply was certainly not ng enough to be comfortable.

opper Oxide—Demand was holding at ly good levels during the week but the ply could not be called much better n fair, as it was reported that there not too much of the material avail- e. The black was selling at 33c. in loads and 36c. in less than carloads, le the red, depending on grade, was th from 35c. to 37c. per pound.

reen, Chrome—The CP, dark, light medium was up 2c., in line with the ances taking place the first of the nth for most of the colors. Demand still running along at high levels, al- ugh supply still left something to be ired.

ead Pigments—The metal was un- nged as to price during the period ter review and therefore there were no

Market Trends

Prices Advanced

Black, carbon, ½c. per lb.
Blue, Chinese, milori, prussian, 5c. per lb.
Casein, imported, ¼c. per lb.
Dibutyl phthalate, 3¾c. per lb.
Diethyl phthalate, 4c. per lb.
Dimethyl phthalate, 1c. per lb.
Dioctyl phthalate, 2c. per lb.
Green, chrome, light, dark, medium, 2c. per lb.
Lecithin, 1c. per lb.
Orange, chrome, 4c. per lb.
molybdate, 2c. per lb.
Red, para toner, 5c. per lb.
toluidin toner, 39c. per lb.
Rosin, gum, Savannah, F, 35c. per 100 lbs.
Yellow, chrome, 4c. per lb.
zinc, 2c. per lb.

Prices Reduced

Rosin, gum, Savannah, G, H, I, J, K, M, N, 1c. per 100 lbs.
WG, 3c. per 100 lbs.
WW, X, 1c. per 100 lbs.
Turpentine, gum, New York, tankcar, 13c. per gal.
L.c.l., 5c. per gal.
Savannah, 20c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
206.6	193.3	180.0	196.4	211.0

(For Current Prices see Page 9)

revisions noted in the listings of the pigments. The demand for them was still holding strong and was expected to go on that way for some time yet. The supply situation still left something to be desired as far as an easy market was concerned.

Orange, Chrome—This item was up 4c. on the low side of the range to a figure of 29c. The high side went up from 29c. to 31c. These revisions were effective October 1. Supply was still not all that it might be while the demand was continuing at high levels.

Orange, Molybdate—The low side of the range advanced from 40c. to 42c. while the high side went up from 42c. to 43c. effective the first of October. Demand, as it was for most colors, was at a high level, although the supply was not strong enough to be termed comfortable.

Red, Para Toner—An advance of 5c. per pound was noted on the low side of the range, effective October 1. This made the price 85c., while there was a new price on the high side of the range. This was 90c. The item continued in a good demand although it was not in what could be called a free supply position.

Red, Toluidin Toner—An increase of 39c. per pound was registered for this item during the period. It had previously been at 96c. per pound on the low side of the range and as of the first of October was up to $1.35. This new price was not as severe an increase as might be thought, however, for previously the high of the range had been $1.30. The demand was still going on at a good clip while the supply was not strong enough to make the situation an entirely comfortable one.

Yellow, Chrome—An increase of 3c. per pound was noted for this material during the past week, making the new listing 28c. on the low side of the range. The high increased from 29c. to 31c. The supply was still not in what could be termed a strong position, although the demand was going along at a good clip and was expected to continue that way for some time yet.

Yellow, Zinc—A rise of 2c. was reported for this material on October 1. This made the new listing 23c. on the low side of the range. The high side went up from 26c. to 29c. There was some variance in prices on the high side of the range because of grades. The demand was still strong and the indications were that it would continue that way for at least the immediate future, while the supply position was one that certainly could not be called free.

Zinc Dust—This item was listed at 21c. in carloads and 22c. in less than carloads during the period under review. Demand, as it was for all zinc materials, was going along at a strong clip and the indications were that it would continue that way for at least the immediate future.

Zinc Pigments—With an absence of change in the listing of the metal last week, there were no revisions noted in the price of the pigments. Demand still held at a good rate and was expected to go on that way for the foreseeable future, although the supply was not so strong as producers would like to see it.

Output of oxides in July, according to the Bureau of Mines, was 17,987 tons, or seven percent below the June rate, but was virtually equal to the monthly average in 1950. Inventories on July 31 were 14,571 tons compared with 16,126 tons on hand June 30, 1950. Lead-free zinc oxide production dropped four percent to 13,411

For Late Market Developments, See Page 4

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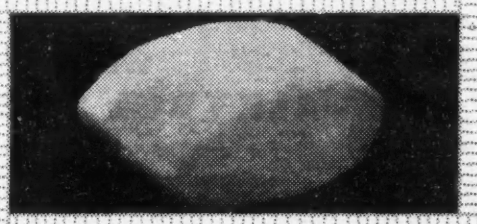

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Color, Gardner Scale, 1933	5 maximum
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tons. Leaded zinc output declined sixteen percent to 4,576 tons, due almost entirely to a seventeen percent decrease in production of the thirty-five percent leaded and under grades. In July 1949, total lead-free zinc oxide output was 7,423 tons and leaded zinc oxide was 2,222 tons. Sales of zinc oxide increased three percent over June as shipments of leaded zinc oxide rose five percent and lead-free oxide sales were two percent higher.

Synthetic Resins

No real general improvement was noted during the past week, although the settling of the chlorine strike did present a little brighter hope for the future. The strike had had its effect in making vinyl resins short and it was hoped this situation would ease as things began to return to normal in the chlorine field. Phenolic molding compounds were not in what could be called a good position because of the phenol shortage. Styrene monomer has been diverted by the government and has had its effect on polystyrene molding materials. In some quarters prices were subject to change without notice, while one producer had withdrawn its quotations pending more clarification of general market conditions. Demand was still running extremely high, with supply not up to it. Just what prices would do in the future was hard to say, but increases in raw materials would seem to point the way to higher listings for the synthetic resins.

Natural Resins

Prices on a number of gums were shaded upwards during the past week. One source said it was his opinion they had gone high enough, but pointed out that just what the price structure did in this country would depend on the supply and demand at the source. The present turn of events in Korea was not expected to have any great effect on this market. The outbreak of hostilities there was taken in stride and only a small amount of scare buying was noted on this side of the world. Supply in general was in pretty good shape, and given a little time, it was generally possible for the trade here to accommodate its customers. The tightening up in the supply of synthetic resins was said to be diverting some demand to natural resins.

Shellac — The market was steady and quiet in the past week or ten days. Demand was a bit on the spotty side, but in general was up to good levels. The supply was sufficiently high to meet the normal demands of the market, although the strike in chlorine, caustic soda and soda ash had slowed up production somewhat. Producers of those materials were forced to dole them out to the shellac makers, but in general they furnished enough to prevent serious cramps in output. Now that the strikes were over, producers were looking for an easier time of it, although it would take a little time yet before the pipelines began running normally again. The India market was reported to be quiet. It was holding steady on price, although there was reportedly not much buying going on.

Domestic prices were holding last week at the following levels:—bleached, bone-dry, bags, 51½c.; in barrels, 52c., and in kegs, 54c.; refined, in bags, 61½c.; in barrels, 62c., and in kegs, 64c. Lemon No. 1 was going at 50c. to 51c. The No. 2 was bringing 48c. to 49c. Superfine was worth 46c. to 47c., while TN was being listed at 44c. to 45c.

Lacquer Materials

Phthalates — Advances were noted in several of these materials for the first of the month. Dibutyl was up 3¾c. in tanks, diethyl was up 4c., dimethyl climbed 1c. and dioctyl was higher by 2c. Just how long present prices would hold was hard to say, for the market was still in a period of fluctuation. Demand continued at good levels and was expected to go on that way. Supply still left something to be desired.

Tricresyl Phosphate—Prices of both the coaltar and petroleum were holding at previously established levels during the past week, and in one section of the industry it was said that listings would probably hold until at least the first quarter of the coming year. Demand was running at very high levels and supply was in a tight position and was dropping back.

Output during June, according to a recent report from the Tariff Commission, amounted to 1,502,276 pounds, and was exceeded in the following month by a production of 1,616,172 pounds.

Miscellaneous Materials

Aluminum Organic Salts—Despite a rise in the price of the metal, there were no changes reported in the listings of the salts during the past week. No changes were expected in the immediate future. Demand continued to hold at very good levels, although the supply still was not sufficiently high to make the prompt filling of orders a comfortable proposition.

Casein—Imported material from the Argentine was ¼c. higher during the past week, but otherwise the market was without price feature. Demand for imported was a bit slower last week, but was still at what could be called good levels. Supply in the Argentine was not great. Germany had recently placed a heavy order there, which indicated there was little to be had in Holland, France or Denmark. The flush season will start in the Argentine in two weeks or so. This is a bit early, but the rainy weather there has given the milk industry a boost, and a good output is expected. Demand for domestic material was not running high although one producer was still not quoting on the outside market, taking care of only its regular customers instead. Supplies were said to be ample, although they could be called neither long nor short.

Lecithin—An advance of 1c. per pound was noted in both the edible and inedible grades of this item during the past week as the demand continued to be noted at strong levels. The revisions made for the following listings:—edible, technical bleached, 16½c. in carloads and 17½c. in

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less than carloads; unbleached, 15½c. in carloads and 16½c. in less than carloads.

Naval Stores

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended September 23 averaged $25.76 per standard barrel of 435 pounds, according to the Department of Agriculture. This was the largest weekly rise of the current season, being $1.06 over the average of $24.70 for the previous week.

The twenty-five reporting plants received 27,644 barrels of gum or 1,106 barrels per plant, compared with 1,164 barrels a week earlier. The contents per barrel averaged 11.39 gallons of turpentine and 299.2 pounds of rosin. The gum was graded 49 percent WW, 17 percent WG, 13 percent N, 10 percent M, and 11 percent K and below.

The record of the gum naval stores markets during the week ended September 29 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday	
B	$4.10	$4.10	$4.10	$4.10	$4.10	$7.10	$7.85
D	4.25	4.25	4.25	4.25	4.25	7.10	7.85
E	4.75	4.75	4.75	4.75	4.75	7.10	7.85
F	6.60	6.60	6.60	6.60	6.60	7.75	8.50
G	6.69	6.60	6.60	6.60	6.60	7.75	8.50
H	6.69	6.60	6.60	6.60	6.60	7.75	8.50
I	6.69	6.60	6.60	6.60	6.60	7.75	8.50
K	6.69	6.60	6.60	6.60	6.60	7.75	8.50
M	6.69	6.60	6.60	6.60	6.60	7.75	8.50
N	6.69	6.60	6.60	6.60	6.60	7.75	8.50
WG	6.73	6.65	6.65	6.65	6.65	7.80	8.55
WW	6.81	6.80	6.80	6.80	6.80	8.00	8.75
X	6.81	6.80	6.80	6.80	6.80	8.00	8.75
	Drums						
Sales	205	75					
Receipts	2,210	1,575	2,323	928	1,202		
Shipments			5,974				
Stocks	34,466	35,881	32,230	33,158	34,360		

Gum Turpentine

New York, Friday, tankcar, f.o.b. gal. (7 lbs.) .82
ret. dms., l.c.l., ex whse gal. (7 lbs.) .90

	Savannah Exchange, Bulk Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.87	.71	.67¼	.66½	.66
Sales, bbls	239	581	480	320	320
Receipts, bbls	72	628	445	79	332
Shipments, bbls	372	144	3,059	214	239
Stocks, bbls	11,916	12,560	9,946	9,811	9,904

Dow Corning to Produce Silicones in Great Britain

Dow Corning Corporation, Midland, Mich., in a joint project with Albright & Wilson, Ltd., Oldbury, Birmingham, England, is planning to produce silicones in Great Britain. The British concern, a principal producer of phosphorus and phosphate chemical, is designing a manufacturing plant, using Dow Corning know-how and engineering assistance. This unit will eventually turn out the complete line of silicones currently being marketed by the American concern.

The project will be further implemented by two newly registered privately owned British companies. One is Dow Corning, Ltd., a wholly-owned sub- British patents of Dow Corning in the organo-silicon field. The other is a sales company, Midland Silicones, Ltd., London, which is jointly owned by Albright & Wilson and Dow Corning, Ltd. Midland Silicones will be responsible for marketing the silicones produced by Albright & Wilson and will take over the general distributorship of Dow Corning products in the United Kingdom.

The production of silicones in Great Britain has received approval of the Bank of England, the British Board of Trade and the British Ministry of Supply. Silicones have wide application in the manufacture off electrical insulation, aircraft components, lubricating oil defoamers, heat and weather resisting paints and in water repellent treatments for concrete and masonry surfaces.

Minnesota Mining Purchases Big Rock Stone & Material

Minnesota Mining & Manufacturing Company, St. Paul, Minn., has purchased the Big Rock Stone & Material Company, of Little Rock, Ark. The Minnesota concern has been operating a roofing granule plant in Little Rock since 1947. The sale included the Big Rock quarry in North Little Rock and the general offices and retail plant for crushed stone, sand and ready-mix concrete located in Little Rock. The price was not disclosed. R. S. Wilson, sr., president of the Big Stone concern, will continue as active head of the company's management. No major changes in operations are contemplated.

German Trade Group Moves, Changes Name

The German Industry Exhibition Post Affairs Office has changed its name to the German-American Trade Promotion Office. At the same time, the group has announced removal to a new address at 350 Fifth avenue, New York 1. The new telephone number is WIsconsin 7-0727.

Hollingshead Corp. Offering Vinyl-Based Roof Coating

R. M. Hollingshead Corporation, Camden, N. J., is currently manufacturing a long-lasting, protective coating for roofs, which is said to be durable under rugged weathering and manufacturing conditions. Based on "Vinylite" resins, produced by the Bakelite Division, Union Carbide & Carbon Corporation, New York, it is said to be easily applicable, and, when sprayed on roofs and walls, has a drying time of about twenty minutes.

The coating is said to be resistant to moisture, abrasion, and will not support combustion. Inherent tensile strength and elasticity are said to enable the coating to withstand severe temperature changes. It can be used to repair old roofs built up with pebbles, on new roofs to seal cracks before the final coating, to seal rough walls or sprayed on a felt or pitch roof. Possessing good insulating properties, the material has already been used to coat equipment in atomic energy laboratories where radioactive materials are present.

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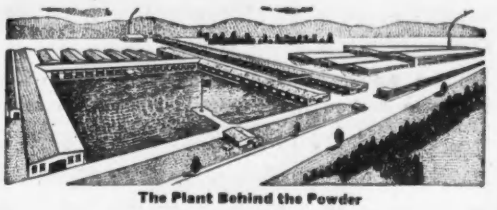

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N. Y. Paint Club Arranging For 'Special' to Convention

The New York Paint, Varnish and Lacquer Association is completing arrangements with the U. S. Travel Agency and the Pennsylvania Railroad for a special train to the national convention to be held in November 15 to 18 in San Francisco, Calif., according to G. A. Wharry, chairman of the New York club's transportation committee. The "special," Pennsylvania train No. 49, the same train as previously announced by the National Paint, Varnish and Lacquer Association, is scheduled to leave New York, Friday, November 10.

The train will stop at Newark, N. J., Philadelphia, Harrisburg, Pa., etc., to enable association members and friends along the line to join the convention delegation. The train will leave Chicago, Saturday, November 11, with members of the Chicago club and others from nearby cities due to board at that point. A stopover will be made at Salt Lake City, Utah, and then the train will proceed to San Francisco.

New York members planning on traveling by the "special" have been directed to communicate with J. W. Frost of U. S. Travel agency, 500 Fifth avenue, New York, who will make the necessary arrangements. Members of other clubs are instructed to contact either the secretary or transportation chairman of their groups, who in turn will make the reservations with U. S. Travel's office in Washington, D. C. Reservations can also be made directly with the travel agency's Washington office.

Senn Co. Has New Container For Naval Stores, Linseed Oil

George Senn, Inc., Philadelphia, has adopted a new lithographed container, designed by Crown Can Company, Philadelphia, for its pure gum spirits of turpentine, steam-distilled turpentine and linseed oil. The new design, with its tie-in slogan "The painter's choice" and illustration of a painter mixing paints, readily identifies the product's use. In addition, every container of "Senco" turpentine bears a U. S. government seal certifying to product purity.

National Lead Co. Adds To Paint, Varnish Line

A full line of paints, enamels and varnishes has been announced by National Lead Company, New York, with additions to its present exterior and interior paints of four enamels, an enamel undercoater and four varnishes. All new products will be sold under the "Dutch Boy" name.

New enamels include interior satin eggshell and gloss enamels for woodwork, walls and trim. "Dutch Boy" quick-drying enamel for interior and exterior use is sold in twelve colors, plus back and white, and designed for furniture, toys, cabinets and trim. A new white interior enamel is claimed to give a porcelain-like finish to walls and woodwork, along with exceptional resistance to yellowing. The new varnishes are an exterior marine spar varnish, a spar varnish for general purpose, a floor and trim gloss varnish and a satin finish interior varnish.

United Dyewood Elects

R. Herbert Bailey has been elected chairman of the board of United Dyewood Corporation succeeding Walter A. Lynch who has resigned because of the increased pressure of business in Washington. Mr. Bailey is also chairman of the board of American Dyewood Company, a wholly-owned subsidiary of United Dyewood, and president of United Sanitary Corporation, a recent acquisition of American Dyewood. Sydney Raynarts, president of American Dyewood Company, has been elected a member of the executive board of United Dyewood Corporation.

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United Develops Single Coat Multi-Color Finish

United Lacquer Manufacturing Corporation, Linden, N. J., has developed a one-coat multi-color finish. The new enamel, called "MultaColor," makes it possible to apply two or more colors in a single coat. Available initially in sixteen color combinations, it will sell at prices comparable to one-coat enamels.

According to the company, laboratory test runs have shown "MultaColor" effective in giving many-colored finishes to furniture, toys, pencils, book cases, filing cabinets, broom handles, ladders and other items. Because it may be applied with good results to porous materials, it is believed that it will find wide application by home builders in the finishing of various composition boards, wallboard, beaver and asbestos board.

Among the standard color combinations currently offered by United Lacquer are brown-and-white, tan-and-white, green-white, light blue-dark blue, pink-white and green-white. However, the company points out that it may be prepared in an infinite variety of others.

Pyrene Company Marketing Process for Paint Finishes

A patented process which has been in use by the Pyrene Manufacturing Company in both Great Britain and America for a number of years is now being offered to others for the protection of aluminum. Called the "Pylumin Process," it gives coating corrosion-resistance value if no paint finish is applied and provides an adhesive and efficient base for paint finishes.

It is claimed that "Pylumin" is simple to operate since it is an immersion process and employs a single powder whose ingredients have been proportioned and pre-mixed. In addition the solution is easily maintained by use of a "Pylumin" test kit and, when necessary by the addition of the single powder. The costs of installation and operation are also low. Ordinary heated steel tanks are all that is required.

The process is adaptable to either large or small scale production and it can be used on widely varying products made of aluminum and aluminum alloy. The "Pylumin" process requires only the purchase of the "Pylumin" chemicals and "Pylumin" test kit supplied with full instructions for installation and operation from the Pyrene Manufacturing Company, metal finishing division, 10 Empire Street, Newark 5, N. J.

Rubberset Elects Jones President of Subsidiary

Elwood M. Jones, jr., has been elected president of Rubberset Company, Ltd., Gravenhurst, Canada, to succeed the late Larry S. Hewes. W. Bruce Findlay, formerly vice-president and assistant general manager, has been named executive vice-president.

Mr. Jones assumes his new post in addition to continuing as president of the parent concern, Rubberset Company, Newark, N. J. While he will devote time to both firms, he will continue to make his headquarters at Newark. Mr. Findlay, as a result, will be in immediate charge of the Rubberset business in Canada. He has been associated with the Rubberset's Canadian subsidiary since 1927.

Phillips Chemical Has New Rubber Division

Phillips Chemical Company, Bartlesville, Okla., has formed a new rubber division. The move stems from the consolidation of the government-owned synthetic rubber plant, near Borger, Tex., and the company's Plains butadiene plant, which Phillips designed and built for the government during World War II. Phillips, which is charged with the operations of both plants, has for economic reasons combined them into one unit.

Supervisory personnel of both plants are:—W. C. Hewitt, plant manager; Austin Morgan, services superintendent; G. H. Short, manufacturing superintendent, and L. M. Fairman, industrial relations superintendent.

Caldwell Co. Moves

The Caldwell Company has moved its offices to 94 Cutler Parkway, Akron, Ohio. The new mail address is Post Office Box 6, East Akron Station, Akron 5, Ohio. The telephone number is STadium 1244. Caldwell is a representative of Thompson, Weinman & Co., Harmon Color Works, Synthetic Products Company and Marathon Corporation, Chemical Division.

Masury Names Anthony Agent

James E. Anthony, former salesman with Sheffield Hardware Company, Americus, Ga., has been appointed a Georgia sales representative for John W. Masury & Son, Inc., Baltimore, Md. Mr. Anthony was associated with the aviation industry prior to World War II as assistant flight director for Graham Aviation Company. After the war he was Georgia representative for Clarke Sanding Machine Company, Muskegon, Mich.

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Acetic acid, glacial, 37,770 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-394, October 5.

Ammonia alum, 12,000 pounds, Army Engineers Corps (San Francisco) invitation ENG-313, October 9.

Baking Soda, 4,566 pounds, Army Quartermaster (Chicago 9) invitation 009,570, October 9.

Beeswax, white, 600 pounds, Federal Supply Service (Washington 25) invitation 93232(3) October 13.

Boric acid, crystals, 11,784 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-328, October 3.

Carbon remover, 275,980 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-397, October 5.

Caustic soda, lye, 540,000 cans, Navy Purchasing Office (New York 3) invitation 7264, October 20; 36,000 pounds, Federal Supply Service (Washington 25) invitation 3W-93113-R, October 13.

Chemicals, drugs & reagents: sodium sulphate, sulfasalicylic acid, sulphuric acid, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 356, October 3; thiamine hydrochloride tablets, urine sugar test tablets, invitation 355, October 5; potassium hydroxide, resorcinol, sodium borate, sodium hydroxide, sulphurated potash, invitation 353, October 6; metaphosphoric acid, potassium persulphate, sodium acetate, sucrose, terpin hydrate, invitation 350, October 4; neutral red, phenyl disodium phosphate (phenol free), safranine salicin, invitation 349, October 4; methiodal sodium, Wright's stain, methanol, invitation 345, October 4; permutit, potassium tellurite blood solution, thioglycollate fluid, invitation 344, October 5; solution, pyridoxine hydrochloride, silver nitrate, invitation 336, October 6; propylthiouracil tablets, invitation 330, October 9; potassium acetae, potassium carbonate, invitation 306, October 3.

Cleaning compound, 29,040 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,490, October 4; phenolic grease solvent, 24,700 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-51,700, October 4.

Cornstarch, 220,032 pounds, Army Quartermaster (Chicago 9) invitation 664, October 16.

Desiccant, medium, 50,000 pounds, Navy Purchasing Office (New York 3) invitation 8302, October 17; activated, 430,000 pounds, invitation 7287, October 17.

Diatomaceous silica, filter aid, 18,000 pounds Army Engineers Corps (San Francisco) invitation ENG-304, October 5.

Dishwashing compound, 750,000 pounds, Marine Corps (Quartermaster General, Navy Building, Washington 25) invitation 247, October 17.

Freon 11, 35,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation Z-11,509, October 10.

Hydraulic oil, gear, 1,000 gallons, Navy Purchasing Office (New York 3) invitation 8314, October 17.

Hydrochloric acid, 765,000 pounds, Navy Purchasing Office (New York 3) invitation 7229, October 19.

Hydrogen peroxide, 1,600 pounds, U. S. Air Force (Olmsted Base, Middletown, Pa.) invitation 63, October 4.

Hydrofluoric acid, 20,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-394, October 5.

Insecticide, DDT, Federal Supply Service (Washington 25) invitation 93140(3), October 11.

Inspection oil, fluorescent, 6,730 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-522, October 5.

Isopropyl alcohol, 28,998 gallons, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 332, October 9.

Laundry chemicals, alkaline detergent, 1,800 pounds, calcium hypochlorite, 270 pounds, laundry sour, 200 pounds, U. S. Penitentiary, Terre Haute, Ind., invitation 31-3247, October 4.

Magnesium sulphate, 22,752 2½-cans, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 306, October 3.

Milkpowder, unspecified quantity, Army Quartermaster (Chicago 9) invitation 661, October 20.

Naphtha, petroleum, aliphatic, 74,458, gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-327, October 3.

Naphthalene, flake, 39,700 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-329, October 3; 130,000 pounds, Marine Corps (Quartermaster General, Navy Building, Washington 25) invitation 239, October 4.

Oil, turbine cleaning, 1,222 gallons, Naval Shipyard (Philadelphia 12) invitation S-763, October 9; lubricant, preservative, large quantities, Army Ordnance (Raritan Arsenal, Metuchen, N. J.) invitation 181 and 182, October 11.

Paint & allied products: primer, 603 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,829, October 4; primer, lacquer, unspecified quantity, Quartermaster Depot, Jeffersonville, Ind., invitation 67, October 20; paint, flat white, 800 gallons, and enamel, 500 gallons, Quartermaster, Fort Bragg, N. C., invitation ENG-25, October 5; paint, traffic, ready mixed, 6,000 gallons, Federal Supply Service (Washington 25) invitation 5G-93114, October 6; enamel, 750 gallons, invitation 5G-93191, October 9; 1,710 gallons, invitation 5G-93189, October 9; paint various, 2,000 gallons, Federal Supply Service (Seattle 4) invitation 4-1701-1, October 6; enamel, 200 gallons, paint, 400 gallons, paint primer, 1,420 gallons, Federal Supply Service (Chicago 6) invitation CH-24855, October 5; paint, 300 gallons, Federal Supply Service (Dallas, Texas) invitation FW-10807, October 4.

Paint remover, 400,000 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-395, October 5.

Peroxide, barium, 11,400 pounds, and **strontium,** 5,000 pounds Army Ordnance (Frankford Arsenal, Philadelphia 37) invitation 162, October 10.

Pigment, alum paste type II, 57,580 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-549, date undecided; aluminum stearate, dry, 20,000 pounds, Navy Department(Aviation Supply Office, Philadelphia 11) invitation B-51,664; mercuric oxide, 6,000 pounds, Indian red iron oxide, 216,000 pounds, invitation B-51,699, October 9; titanium dioxide, dry, 1,008,000 pounds, invitation B-51-552, October 12; chrome yellow, dry, 30,000 pounds, invitation B-51,743, October 10.

Pigment extender, dry silica, 216,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,699, October 6; mica, 120,000 pounds, invitation B-51,711, October 10.

Polish, aluminum, 18,374 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-332, October 3; **automobile,** 600 gallons, metal, 4,375 gallons, Marine Corps (Quartermaster General, Navy Building, Washington 25) invitation 239, October 4.

Protective compound, strippable, 15,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,824, October 11.

Sealing compound, 1,176,000 pounds, Army Ordnance (Raritan Arsenal, Metuchen, N. J.) invitation 201, October 11; 1,764,000 pounds, invitation 202, October 11.

Shellac, varnish, bleached, 1,000 gallons, Federal Supply Service (Washington 25) invitation 5G-93246, October 9.

Soap toilet, 207,000 pounds, Navy Purchasing Office (New York 3) invitation 7288, October 17; low-titer, 7,200 pounds, invitation 8309, October 16; hand grit paste, 16,200 pounds, Federal Supply Service (Washington 25) invitation 3W-93110-R, October 13; borax compound, 1,200 pounds, invitation 93231(3), October 13; laundry powder, chip soap, white floating and milled toilet, 180,935 pounds, invitation 93139(3), October 10; laundry chip, 6,300 pounds, powder, 34,384 pounds, Federal Supply Service (New York 13) invitation NY-W-24269, October 6; white floating toilet, 185 cases, Federal Supply Service (Dallas, Texas) invitation FW-10822, October 9; grit, 8,500 cakes, invitation FW-10845, October 12.

Soda ash, powder, 250,000 pounds, Federal Supply Service (Washington 25) invitation 93147(3), October 11.

Sodium arsenite, 9,300 gallons, Navy Purchasing Office (New York 3) invitation 8347, October 19.

Sodium bisulphite, 3,100 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-328, October 3.

Sodium chloride, 70,000 pounds, U. S. Air Force (Griffiss Base, Rome, N. Y.) invitation 21, October 3.

Sodium metaphosphate, 31,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-325, October 3.

Sodium silicate, 62,794 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-329, October 3.

Sodium thiosulphate, 22,000 pounds, Federal Supply Service (Washington 25) invitation 93137(3), October 9.

Spices, ground mustard, 72 cases, and celery seed, 192 pounds, Federal Supply Service (Washington 25) invitation 1D-93179, October 6.

Starch, laundry, 688,600 pounds, Quartermaster Procurement Agency (New York 13) invitation 369, October 20.

Sulphuric acid, 1,822,813 pounds, Navy Purchasing Office (New York 3) invitation 7228, October 19; 151,281 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-394, October 5; battery, 840 gallons, Army Engineers Corps (San Francisco) invitation ENG-306, October 6; 1,330,000 pounds, Army Ordnance (Raritan Arsenal, Metuchen, N. J.) invitation 205, October 13; 950,000 pounds, invitation 204, October 13.

Trichlorethylene, 3,050,786 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-327, October 3; stabilized, degreasing, 188,850 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,751, October 9.

Water wash compound, 22,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,515, October 10.

Wax, water emulsion, 55,000 gallons, Veterans, Administration (Washington 25) invitation S-88, October 11.

Hercules Publishes Adhesives Data

A new technical booklet describing the expanding use for Hercules Powder Company's "Vinsol" resin in the production of Buna N cements and adhesives is now available from the concern, Wilmington, Del. The growing use of "Vinsol" as a resin modifier in the production of adhesives is based on a good combination of properties, including adhesiveness, compatibility with adhesive film-formers, and relatively low cost. Emphasis is placed on what the skilled formulator can do with the resin in Buna N cements and adhesives, although other adhesive types are mentioned.

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Obituaries

Dr. A. P. Beardsley

Dr. Alling P. Beardsley, a retired chemist and technical adviser to the Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., died September 23 in Plainfield, N. J. He was seventy-three years of age.

Dr. Beardsley was chief chemist of the New Haven Gas Light Company from 1902 to 1915 and joined the Calco organization in 1915. He did extensive research on by-products of coal carbonization, dyestuffs, heavy acid manufacture and improvements in the production processes of sulphuric and nitric acids.

Dudley S. Dean

Dudley S. Dean, director of Calumet & Hecla Consolidated Copper Company and an executive in several mining and land development companies, died September 26 at his home in Cohasset, Mass. He was seventy-nine years old.

Mr. Dean developed mining and land interests in Michigan, the northwest and British Columbia. He was chairman of the Keweenaw Land Association, president of the Ironwood Mines Corporation, trustee and treasurer of the Newport Land Company, treasurer of the Porcupines Land Association and treasurer of the Barage Land Company.

E. Paul duPont

E. Paul duPont, sr., retired industrialist, and a member of the duPont family of Wilmington, Del., died September 26 in Philadelphia. He was sixty-three years old.

Mr. duPont was associated with the family business, E. I. duPont de Nemours & Co., for a short time after his graduation from the University of Pennsylvania in 1909. In 1916 he became chief engineer of the Ball Grain Explosives Company, manufacturer of fuses. In 1919 he established duPont Motors, Inc., which for a brief time manufactured automobiles. He had been retired for many years.

John B. Maclean

John B. Maclean, founder of the Maclean-Hunter Publishing Company, died September 25 in Toronto, Can. He lived one day shy of his eighty-eighth birthday.

Mr. Maclean, who served for more than forty-five years with the Canadian militia, was known in civilian life by his military title, lieutenant-colonel. In 1887 he founded *Canadian Grocer*, the first weekly trade paper published in the dominion. Today the Maclean-Hunter Publishing Company, Ltd., produces four national magazines in Canada and twenty-nine business and technical publications. It also publishes four business journals in the United States and one in Great Britain.

Dr. H. B. Weiser

Dr. Harry B. Weiser, dean emeritus at Rice Institute, Houston, Tex., and author of six books on colloid chemistry, died in Houston September 22. He was sixty-three years old. Dr. Weiser had been editor of the *Journal of Physical and Colloid Chemistry* since 1947.

Clarence W. Drumheller, retired president of the Reliance Bronze & Aluminum Company, Philadelphia, died September 25 at his home in Wyncote, Pa. He was sixty-seven years of age.

C. Don Freeburn, who retired on July 1 as industrial manager of the Socony-Vacuum Oil Company, New York, died September 25. He was sixty-five years of age.

Abraham H. Gross, president of the Sheffield Bronze Paint Corporation, Cleveland, Ohio, which he founded in 1923, died September 24 at his home in Beachwood Village, Ohio. His age was fifty-four. Sheffield Bronze Paint is one of the largest manufacturers of aluminum paint and paint specialties in the country.

Don L. Johnson, sales manager of the grocery products division of the American Maize-Products Company, died September 24 in Huntington, L. I., N. Y. He was forty-eight years of age.

Wilson C. Laucks, sr., founder of the Textile Chemical Company, Reading, Pa., died September 26 in that city. He was fifty-three years old.

Dr. James F. Norton, former vice-president of the American Medical Association and former president of the Medical Society of New Jersey, was found dead September 27 at his home in Jersey City, N. J. He was fifty-seven.

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Oils, Fats and Waxes

Trend of the oils and fats market continued downward last week under quiet demand, favorable war news and unconfirmed reports of peace negotiations. Lower prices were registered in most oils and fats, dropping the index 7.2 points.

Export demand for soybean oil slackened. Domestic demand improved. Prices were irregular but closed firmer. Peanut oil also dropped drastically, falling 1¾ cents. Corn oil was off 1 cent, while cotton seed oil was off fractionally.

Tallow and greases were easier with western markets and declined 1 to 1¼ cents per pound as to grade. Lard also was lower and fell below the level of the better grades of the former materials. Soapers were again purchasers of lard. Oleo oil was reduced 2 cents per pound and oleo stearine, 1¼ cents. Other animal fats were unchanged but unsettled.

Coconut oil was easier with lower copra which declined $10 per ton.

Drying oils were weaker, except dehydrated castor oil. Linseed oil was reduced for prompt and forward delivery. Offerings for future delivery were liberal and asking prices could have further shaded on firm bids. Crude fish oils were weaker and sales of crude sardine were reported at a drop of 1¾ cents. Refined fish oils were unchanged. Tung oil was inactive and off fractionally.

Vegetable waxes were lower due to selling pressure on stocks on spot and afloat. Carnauba wax was off 4c. to 8c. per pound, according to grade and ouricury wax, 4c. per pound. Candelilla was cut 1 cent, while crude beeswax was stronger, advancing 1 to 3 cents per pound.

Market Trends

Prices Advanced

Beeswax, crude, 1c. to 3c. per lb.

Prices Reduced

Candelilla wax, 1c. per lb.
Carnauba wax, 4c. to 8c. per lb.
Coconut oil, 1c. per lb.
Copra, $10 per ton.
Corn oil, 1c. per lb.
Cottonseed oil, ½c. per lb.
Greases, 1c. to 1¼c. per lb.
Lard, 1¼c. per lb.
Linseed oil, ½c. per lb.
Oleo oil, 2c. per lb.
stearine, 1¼c. per lb.
Ouricury wax, 4c. per lb.
Peanut oil, 1¾c. per lb.
Sardine, crude, 1¾c. per lb.
Soybean oil, ½c. per lb.
Tallow, 1c. to 1¼c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 30, 1949
157.3	164.5	152.6	111.3	114.4

(For Current Prices see Page 9)

Cottonseed Oil

Refined cottonseed oil consumption during August totaled 2,464 tankcars, compared with 2,203 for August last year. The visible oil supply was estimated at 3,654 tankcars at the end of August, compared to 3,190 for the comparable time last year.

Despite favorable war news, reports of peace feelers, lower lard and crude oil, bleachable cottonseed oil futures remained comparatively steady last week. Price fluctuations were wide but net declines were limited. Trading was fairly active, mainly of a professional nature. Trade buyers absorbed moderate amounts of nearby oil. Lard broke sharply under liberal liquidation, with soapers purchasing at ¼c. below the cost of the better grades of tallow and grease.

Crude cottonseed oil was easier, off ½c. per pound. Trading was limited due to scarcity of offerings. Sales were reported at 16¼c. per pound, tankcars, f.o.b. mills, Southeast and Valley and 16c. Texas.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended September 29 follow:—

	Sales	Cents per pound High	Low	Close
October	288	19.36	18.55	19.00S
December	794	19.25	18.55	18.81—18.80S
March	391	19.22	18.44	18.70—18.72S
May	722	19.20	18.43	18.69—18.68S
July	178	18.80	18.21	18.45S
September	10	19.08	16.88	17.00@17.27

Total sales, 2,383 tankcars, including switches.

Memphis.—Crude cottonseed oil sold at 16¼c. per pound, tankcars, mills and crude soybean oil at 13½c., same basis. Cottonseed meal 41 percent quoted at $70 per ton, sacked, Memphis. Cottonseed cake, $63 to $64 per ton, bulk, Mississippi mills. Hulls quoted $11 to $12 per ton, bulk. Rains continue. Seed receipts light, far behind last year.

Linseed Oil

Price schedule for linseed oil was lowered ½c. to 4/5c. per pound for October delivery and 3/10c. for November forward. Before the decline the market was easy and price shading took place especially for forward delivery. Raw oil was reduced to 16.30c. per pound, tankcars, zone 3, for first half October delivery; 15½c., second half October, and 15c. November forward. Buying interest continued slow.

The world flaxseed production in 1950 is estimated at 140,000,000 bushels, approximately the same as 1949, according to Office of Agricultural Relations. Losses in North America, Europe, Asia and Africa are seen as offsetting the large increase in South America and minor increases elsewhere. The United States is harvesting the smallest flaxseed crop since 1946, the latest estimate is 34,100,000 bushels, compared with 43,700,000 bushels produced in 1949. Argentina's 1950-51 acreage is estimated at about 3,700,000 acres against 2,700,000 acres the previous season. The current harvest should approximate 35,500,000 bushels, against 45,000,000 bushels last season. Canada's 1950 flaxseed crop of 4,900,000 bushels, from 547,000 acres, is more than double the 1949 production. Mexico's production is tentatively placed at 1,600,000 bushels, a drop of 20 percent from last year's crop of 2,000,000 bushels. India's 1950 harvest of 17,000,000 bushels is about 4 percent below last year's because of unfavorable weather throughout the harvest. Brazilian production for 1950 has not been officially reported, but it is expected to be smaller than the record crop of 1,600,000 bushels in 1949. Chile's 1950 crop is expected to exceed 151,000 bushels produced last year.

Minneapolis.—This market continued weak last week and prices declined on all offerings except for spot shipment. Oil for prompt shipment sold at the 17c. per pound level, for immediate needs. Demand was very thin on forward bookings as paint manufacturers and other consumers adopted a waiting attitude. Raw oil for first half October shipment was quoted at 15.7c. a pound, tanks, zone 1; for last half October, 15c., and November 14c. a pound.

Shipments of linseed oil, in pounds, were as follows:—

	1950-51	1949-50
Past week	10,080,000	11,340,000
Since Sept. 1	23,620,000	32,460,000

Flaxseed—Lower prices improved demand, crushers absorbing sizable quantities.

Minneapolis.—Flaxseed prices skidded sharply lower last week, dropping from $3.50 to $3.35 a bushel on spot and to-arrive offerings. Early in the week, No. 1 flaxseed was bought sparingly by crushers at $3.45 and $3.50 a bushel. Having a large enough supply to carry them to the year-end, crushers reduced their bids 5 cents a bushels on two successive days—to $3.35. This move brought an avalanche of offerings from producers, and local crushers picked up considerable seed. Close to 1,000 cars of flaxseed were bought on a to-arrive basis, and about 27 spot cars. Receipts of seed during the week totaled 619 cars, compared with 921 in the preceding week and 561 a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1950-51	1949-50	Shipments 1950-51	1949-50
Bushels—				
Past week	1,409,300	856,700	302,600	74,800
Since Sept. 1	4,189,700	5,081,200	428,400	433,500

Other Vegetable Oils

Castor Dehydrated — Steady consuming demand and high cost of beans kept this market steady. Quotations were unchanged and well held at the recent advance of 2c. per pound.

Coconut—This market continued easy and lower. Business was inactive. Crude oil declined to 16c. per pound, tankcars, f.o.b. spot, Pacific coast. October was nominal at 15¾c. and November 15½c., same basis. At New York crude oil was quoted at 17¼c. per pound, tankcars.

Copra—Buying interest slackened and the market was easy. Prompt shipment was lower and sold at $195 per short ton, c.i.f. Pacific coast.

Corn—Trend of prices continued downward. Crude oil was sold at 16½c. per pound, tankcars, f.o.b. mills, prompt shipment, a net decline of 1c. for the week. Refined oil was lower and nominal at 20½c. per pound, tankcars, New York.

Oiticica—Consuming inquiry was light. Prices remained steady, as offerings were limited and well held. Tankcars were unchanged at 20½c. per pound, New York basis, and drums ranged from 21½c. to 22c., as to quantity.

Olive—Trading was slow and was affected by the lack of offers of edible oil for shipment from Spain. Supplies on

For Late Market Developments, See Page 4

spot were scarce and closely held at $3.25 per gallon, drums, duty paid. Prompt arrival was nominal at $3, same basis. Inquiry for foots continued inactive, and offers at 14½c. per pound, drums, New York basis, attracted little buying interest.

Palm—Market was stronger. Drums on spot were advanced to 16.35c. per pound. Shipments were raised to 15.15c. per pound, tankcars, October-November delivery at New York.

Peanut—This market was quiet and lower. Crude oil declined to 19c. per pound, tankcars, f.o.b. mills, nearby delivery, while futures dropped to 17½c. for November-December. Refined was lower and nominal at 23c. per pound, tankcars, New York basis.

Rapeseed — Limited stocks of refined were held at 24c. per pound, tankcars, New York basis.

Soybean—Export inquiry slackened, but the scarcity for nearby delivery kept price steadier than futures. Crude oil was sold and bid at 13½c. per pound, tankcars, f.o.b. first half October. Straight October was held at 13c. November and December were 12c. bid with sales for January at the same figure. Refined oil was nominal at 16½c. per pound, tankcars, New York delivery.

Consumption of crude soybean oil in August totaled 3,091 tankcars, against 2,583 during August last year. Visible supply at end of August was estimated at 2,765 tankcars compared with 2,289 for the same time last year.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended September 29 follow:—

	Sales	Cents per pound—High	Low	Close
October	34	12.60	12.00	12.25—12.38S
November	23	12.10	11.75	11.94S
December	61	12.05	11.75	11.75@11.84
January	15	11.90	11.80	11.75@11.85
March	52	12.10	11.70	11.70@11.81
May	97	12.10	11.75	11.75S
July	2	12.00	12.00	11.65@11.72
August	..	....	....	11.52@11.75
September	..	....	....	11.55@11.70

Total sales, 384 tankcars and switches.

Tung—Buying interest was slow and the market entirely nominal. Nearby tankcars were easy at 24¾c. per pound, New York delivery, with October forward quoted at the same level, off ¼c. per pound. Oil in drums was quoted at 26½c. per pound, carlots, and 27c. for smaller quantities.

Optional date for sales of domestic tung oil to the government has been extended from September 30 to October 31, at the request of producers, according to the Department of Agriculture.

Fats and Greases

Greases—Prices were easier with lower western markets and cheaper lard, declining 1c. to 1¼c. per pound, as to grade. Moderate trading took place at the decline. Export business dried up. Soapers were reported buyers of lard at ¼c. below the cost of choice white grease in the West. Choice white declined to 12¼c. per pound, tankcars, delivered; yellow, 9c. and house 8¾c., same basis.

Lard—Market was weak and declined 1c. per pound for the week. Business was slow for domestic and export delivery. Sales of loose lard were reported at 12c., ¼c. below the cost of choice white grease for soapmakers' account. Export inquiry was quiet and prices declined to 15½c. to 15¾c. per pound, containers, f.a.s.

Tallow—Lower prices brought out a moderate volume of business. Prices were off 1c. for the better grades and 1¼c. for the lower. Fancy was moved at 12¼c. per pound, tankcars, delivered; extra, 12c. and special, 11¼c. Export business was inactive. Edible tallow was lower and nominal at 16¼c. per pound, drums.

Animal Oils

Common degras remained steady and unchanged. Neutral grades were firm and well held at current levels. Grease oils were unsettled by lower cost of basic materials, but quotations were without change. Oleo oil was weak and nominal at 18½c. per pound, drums. Oleo stearine also was easier and nominal at 17c. per pound, barrels, New York, delivery.

Fish Oils

Refined—Consuming inquiry for refined oil lagged last week. Light pressed oil was unchanged at 16c. per pound, and alkali refined, 17c. per pound, tankcars, New York basis. Crude oil was easier with limited sales of sardines reported at 10½c. per pound, tankcars, f.o.b. Pacific coast. Crude menhaden oil was scarce but reflected the decline in sardine and was nominal at 10½c., tankcars, Baltimore.

Los Angeles.—Trading has been very slim the past week and the market has developed an easier tone. New crop sardine oil was traded at 11½c. per pound, tankcars f.o.b. San Pedro. Additional trading was reported 10½c. Southern California pilchard season began October 1 and with a price settlement of $35 per ton between boat owners and canners. Light trading was reported in the San Francisco Bay area for mackerel oil, quoted 11½c. per pound. A small amount of tuna oil was moved at 9½c. per pound, f.o.b. San Pedro.

Fatty Acids

Trading in fatty acids slackened, though deliveries against recent orders were in active request. Prices of stearic acid and red oil were unchanged despite lower prices for tallow and grease. Vegetable fatty acids were in moderate demand and maintained at unchanger quotations.

Cake and Meal

Cottonseed Cake and Meal—Market was easier due to good weather and moving of some seed in Mississippi Valley. Forty-one percent loose slab cake was quoted at $62 per ton Mississippi Valley points for immediate and October shipment. Forty-one percent sacked meal was offered at $69, Memphis. In the southeast prices continued high at $72 to $72.50 per ton Alabama and Georgia points. In South Carolina, local demand is still absorbing most meal at $76 f.o.b., mills.

Linseed Meal—Lack of demand caused further price declines.

Minneapolis.—Meal dropped $1 to $3 a ton the past week as supplies more than exceeded demand. There was plenty of selling pressure. Good pastures kept dairy feed demand at a very low ebb. Cattle feeders came in for some small lots of feed; otherwise, the market was dull. Most buyers were cautious about making commitments for more than nearby needs. Extracted linseed meal sold at $55 to $56 a ton in the last week of September. The quotation on October was $56 to $56.50; November-December at $57 to $57.50. Expeller meal moved on spot at $56 to $57. October shipment was quoted $57 to $57.50; for November-December, $58.50 to $59.50.

Shipments of linseed meal, in pounds, were as follows:—

	1950-51	1949-50
Past week	19.940.000	19.320.000
Since Sept. 1	51.200.000	54.110.000

Peanut Meal—Very few offerings in the market and prices range from $69.50 to $70.50 per ton f.o.b. South Georgia points for September-October shipment. Some solvent process meal sold for export at about $65 per ton f.o.b. South Alabama for October shipment.

Soybean Meal—Forty-four percent bulk meal was quoted at $52 per ton, Decatur for immediate October through December with sacked $5 per ton higher. Soybean meal remains the best seller in the protein market since prices of both peanut and cottonseed meals continued higher. With good weather in the producing areas soybeans have started to move in a larger volume to the crushing mills.

Waxes

Beeswax—Higher cost of crude for shipment kept this market firm. Brazilian crude was higher at 58c. to 69c. per pound, spot and Central American at 55c. to 56c. African also was scarce and firm at 54c. to 56c. Refined grades were steady.

Candelilla—Quiet demand and increased offerings weakened this market and prices were off 1c. per pound. Crude was quoted at 59c. to 60c. per pound and refined, 63c. to 64c. per pound, as to quantity.

Carnauba—Liberal offerings of stocks on spot and afloat resulted in sharp price declines for all grades. Buying interest dried up and prices dropped below the cost of replacements. No. 3 crude was nominal at 80c. to 82c. per pound and refined, 83c. to 84c., according to quantity. No. 1, yellow was sharply lower at $1 to $1.02 and No. 2 at 98c. to $1 according to quantity.

Montan—Quiet demand unsettled the market and quotations were off about 1c. per pound. German was quoted at 16c. to 17c. per pound and Bohemian, 15½c. to 16c., as to quantity.

Ouricury—This market also was lower and refined declined to 84c. to 85c. per pound, as to quantity.

Atlas Mineral Offers Adhesives Data

Atlas Mineral Products Company, Merztown, Pa., has published a new bulletin (No. 5-1) on corrosion proof cements. The publication describes the company's complete line of resin, sulphur, silicate and asphaltic cements. Information on each cement is compiled in chart form, enabling the user to select the correct cement for a specific application. Also included in the bulletin is information on "Alkor 5E," which is claimed by Atlas to be the nearest thing to a universal corrosion-resistant cement. Copies of the bulletin are available upon request to the concern, 43 Walnut street, Merztown, Pa.

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WHITE OLEINE—USP—This double-distilled Oleic Acid meets USP specifications. Has pale color, low titre and reduced odor. A Gross' White Oleine — USP — is highly resistant to oxidation.

SPECIFICATIONS
Distilled Red Oil (Oleic Acid)

	4-6°T.	L.C.P.	D.P.
Titre °C	4°- 6°	8°-10°	18°-20°
Cloud Point °F	38°-42°	46°-49°	63°-71°
Color Lovibond 1" Red	4 - 7	4 - 7	4 - 7
Color Lovibond 1" Yellow	20 -40	20 -40	20 -40
Unsaponifiable %	2.5 max.	2.5 max.	2.0 max.
Saponification Value	196 -199	196 -199	197 -200
Acid Value	195 -198	195 -198	196 -199
% F.F.A. as Oleic Acid	98 -99.5	98 -99.5	98.5 -100.0
Iodine Value	90 -93	88 -90	80 -85

ADVANTAGES

1. Low Titre.
2. Reduced amounts of saturated acids.
3. Unsaponifiables as low as 1%.
4. Makes higher soap concentrations.
5. Free of undesirable esters.

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Emersol Elaines (Oleic) Acids

Superior liquid fatty acids in all grades including Emersol 233 LL Elaine, the purest commercial oleic acid. Lightest colors, lowest content unsaponifiable coupled with higher degree of stability than found in ordinary red oils is assured because of exclusive Emery processing. Drums, tank cars —to preserve quality in transit, aluminum cars available.

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Ecclestone Chemical Co., 2673 Guoin, Detroit 7, Mich.
H. H. Loomis, 369 Pine Street, San Francisco, Cal.

Sherwin-Williams Offering New Dehydrated Castor Oil

The Sherwin-Williams Company, Chicago, is offering a new grade of dehydrated castor oil of the G to H viscosity range. Available through the concern's pigment, chemical and color division, the material is sold under the trade name "Dehydrol XOT 9."

Produced by a continuous process, the product is said to be more uniform than standard dehydrated castor oil made by batch operation. The material, according to the Gardner-Holdt system, has a visvosity of G to H, a color of 5 maximum and an acid value of 5 maximum maximum. Its specific gravity at 25 degrees Centigrade is 0.928 to $.934. Samples of the product are available from Sherwin-Williams representatives in the principal cities.

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Phila. Paint Club to Hear Battley at Oct. 11 Meeting

Philadelphia Paint, Varnish and Lacquer Association will hold its next meeting October 14 at 6 p.m. at the Union League, Philadelphia. Guest speaker will be Joseph F. Battley, president of the National Paint, Varnish and Lacquer Association, whose topic will be "The Paint Business in the Months to Come." Movies of Philadelphia's 1950 clean up-paint up-fix up campaign will be shown. Officers for the 1950-'51 term will be elected. Honored guests will include Richard G. Thomas, director of the national clean up-paint up-fix up bureau, and Ray A. Hill, advertising sales director of the national organization.

Oil Chemists Study

—Continued from page 5

moisture and fat contents from animal and vegetable materials.

R. O. Feuge and H. J. Janssen of Southern Regional Research Laboratory, New Orleans, declared that cottonseed oil dissolved in commercial hexane can not only be bleached readily by standard bleaching clays and carbons, but the reduction in color is greater than that obtained in the absence of a solvent, other conditions being equal.

G. C. Cavanagh, Producers Cotton Oil Company, Fresno, Calif., reported that application has been made for a patent based on the phenomena that the red color in degummed, soda ash refined, and highly colored refined vegetable oils can be partially removed by a continuous process of caustic soda washing accompanied by a type of agitation between 1,600 and 10,000 rpm with a high degree of shear.

Use of Surfactants

Specific applications in the chemical process industry whereby the use of surfactants has been found to render definite advantages and improvements over and above the normal treatment, were described by Daniel H. Terry, Antara Products Division, General Aniline & Film Corporation, New York.

T. H. Vaughn, H. R. Suter, L. G. Lundsted and M. G. Kramer of Wyandotte Chemicals Corporation, Wyandotte, Mich., presented a paper giving evaluation data for a group of nonionic detergents, including a recently developed series, with particular emphasis on cotton detergency as measured by laboratory tests.

A paper by E. I. Stearns, American Cyanamid Company, Bound Brook, N. J., reported the most important characteristics of optical bleaches are absorption in the ultraviolet; fluorescence in the visual; water solubility or dispersibility; fiber substantivity, and certain stability requirements.

Polymerization of Safflower

A. J. DaValle and W. F. Rhoades of Pacific Paint & Varnish Company, Berkeley, Calif., reported that with slightly higher temperatures, safflower can be polymerized at the same rate as linseed oil and produce a product which is quite comparable to polymerized linseed oil, with the advantage of paler color.

J. A. Gordon, P. T. Hamlin and R. J. Cartmell of National Lead Company, San Francisco, stated that safflower oil seems to be measurably superior to soybean oil in most respects and superiority of the oil over either soya or linseed is indicated for certain special uses. They added that all results are of a preliminary nature and cannot be assumed to be conclusive until exposure results are available.

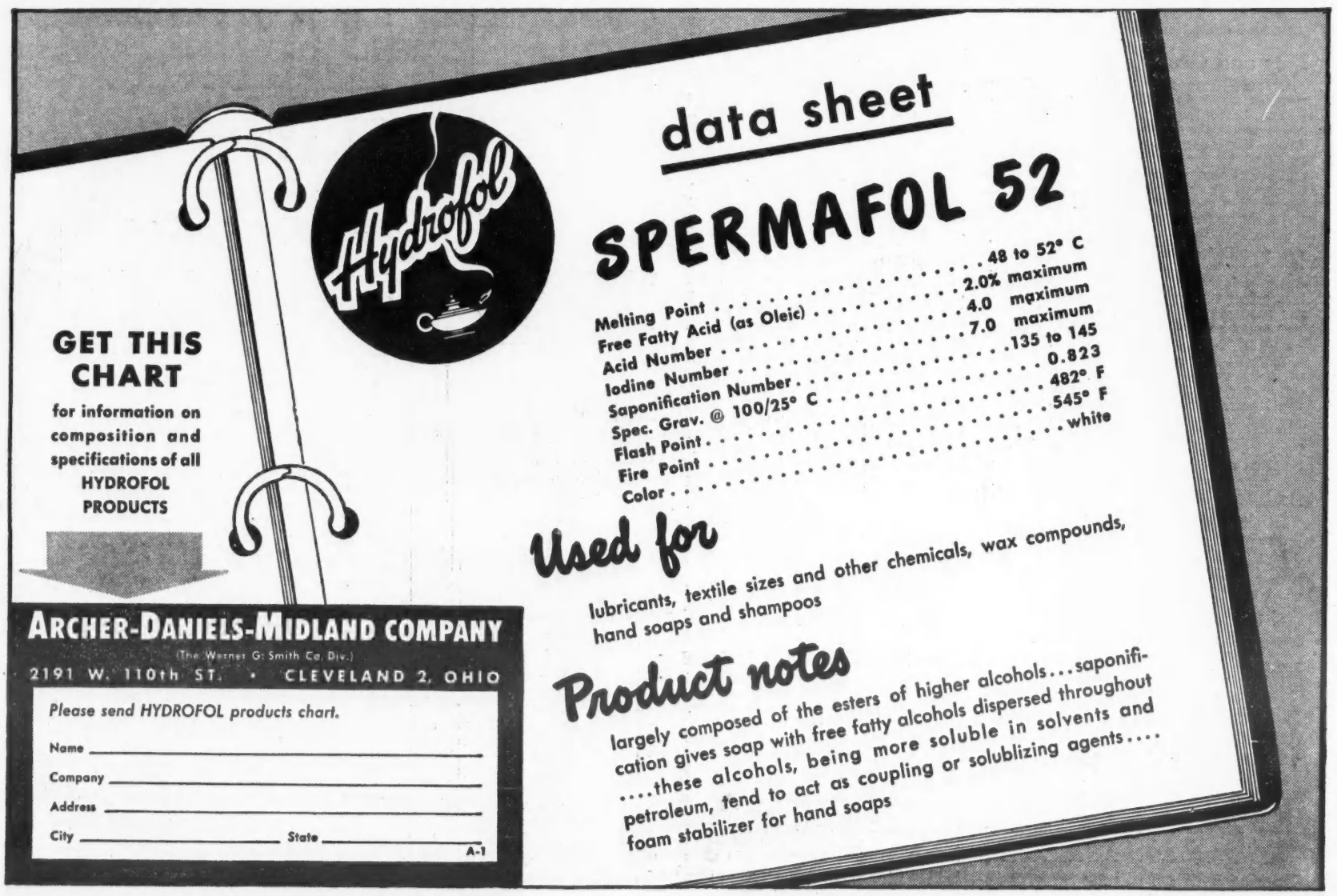
Other sessions at the meeting were devoted to "biochemistry-nutrition," "stability-antioxidants-analysis" and "chemical modification-synthesis-miscellaneous."

Trade Briefs

Varcum Chemical Corporation has applied for a building permit to erect a $35,000 three-story building on its property at Niagara Falls, N. Y.

Standard Oil Company (Indiana) exceeded 200,000 barrels per day in its average runs of crude oil at its Whiting, Ind., refinery for the first time in August, with 200,764 barrels daily.

Minnesota Mining & Manufacturing Company, St. Paul, has announced plans for the construction of a $250,000 branch warehouse and office building in Cleveland, Ohio. It will be located on Elmwood avenue, near West 117th street.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SPERMAFOL 52
Melting Point . . . . . 48 to 52° C
Free Fatty Acid (as Oleic) . . . . . 2.0% maximum
Acid Number . . . . . 4.0 maximum
Iodine Number . . . . . 7.0 maximum
Saponification Number . . . . . 135 to 145
Spec. Grav. @ 100/25° C 0.823
Flash Point . . . . . 482° F
Fire Point . . . . . 545° F
Color . . . . . white
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lubricants, textile sizes and other chemicals, wax compounds, hand soaps and shampoos
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2—±0000 RAYMOND PULVERIZERS, also selection other sizes and 30 Hammer Mills of various makes.

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1—Rogers 6' copper evaporator, 180 sq. ft. surface.
4—Ross & Day 80-50-40-20-5 gallon pony mixers.
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40—Stainless Clad Jacketed Kettles, 40 gal., 60 gal., 80 gal., 100 gal., 150 gal.
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8—Filter Presses, C.I. P&F, 10", 12", 18", 24".
1—Rotary Vacuum Filter, 8' x 8', acid proof.
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ECA Announces Additional Procurement Authorization

Among the procurement authorizations issued to Marshall plan countries during the period September 22 to 28 by the Economic Cooperation Administration were the following:—

To Austria—$186,000 for copper from Canada.

To Belgium-Luxembourg—$125,000 for vegetable tallow from the United States.

To France—$200,000 for nonferrous ores and concentrates from Latin America.

To Germany—$500,000 for phosphate rock, $380,000 for nonferrous ores and concentrates, $300,000 for tin and tin base alloys, $200,000 for crude drugs, leaves, herbs and roots, $100,000 for tall oil, $100,000 for lecithin, and $1,600,000 for naval stores from the United States; $50,000 for nonferrous ores and concentrates from Canada.

To Netherlands—$2,000,000 for tinplate from the United States, and $300,000 for petroleum from Latin America.

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A.T.&M. 40" bottom discharge, SS basket.
Bird, solid bowl, continuous, 18"x28".
Bird, 24", type CH, continuous, steel.
Bird, 48" bottom discharge, SS.
Bird, 36"x50", cont., rubber covered, & SS.

HEAT EXCHANGERS AND CONDENSERS

S.W. 24"x11'4", SS tubes, 430 sq. ft.
C.H. Wheeler, 2725 sq. ft. Surface Condenser, admiralty tubes (UNUSED).
C.H. Wheeler, 3640 sq. ft. Surface Condenser, admiralty tubes. (UNUSED).

TANKS

250 gal. hor. 2'6"x9'3"x¼".
350 gal. vert. 3'x6'6"x¼".
480 gal. vert. 4'x5', wood (UNUSED).
1600 gal. vert. 8'x3'x3/16".
2100 gal. vert. 9'x3'6"x3/16".
2900 gal. hi-chrome 6'6"x10'x½" (UNUSED).
3300 gal. 6'6"x9'8½"x5/16" ASME.
9600 gal. vert. 11'x13'9"x5/16" & ⅜". (NEW).
16000 gal. hor. 9'x31'8"x31/32" (3).
25000 gal. rubber lined, 13'x25'x⅜". (UNUSED).

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For Sale—1 used Bantam Mikro Pulverizer, complete with AC motors, screens, $250. 1 sixty-gallon stainless steel, direct gas fired, steam jacketed kettle, complete with stand, $200. Call PResident 8-5313 or write OPD 465.

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Laboratory space in midtown Manhattan: well equipped; good light; library; modern building. Suitable for chemical research and development. OPD 472.

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Five W. & P. mixers, size 15—type VIII, class BB, Universal Kneading and Mixing Machines —100 gallon capacity. Stainless Steel, Motor Driven, Unjacketed. OPD 478.

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MATERIALS OFFERED

Iron Oxide, pure Spanish Red, from Malaga, Spain, Benflor 85/90% FE203 .043/4c. per lb. Benfin 80/85% .41/2c. FOB, N.Y. Uniform shade and grinding fineness guaranteed. Large immediate quantity and continuous supply. Samples submitted. WO 4-4196, OPD 479.

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Titanium Dioxide Pigments (any grade) needed to carry on our business. Not interested in any 85c or 95c Black Market deals. Would appreciate a few bags from manufacturing concerns who can possibly spare some. Will pay any reasonable premium or exchange for other critical chemicals. Samuel Smidt Chemical Co., 410 Frelinghuysen Ave., Newark 5, N. J.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 476.

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Small or moderate size plant, or Industrial Pilot plant, equipped for the production of general or fine chemicals, or intermediates, pigments, aromatics, etc. Write full details. OPD 474.

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole or in part. Personnel retained where possible Strictest confidence. Box 694, 1474 Broadway New York 18, N. Y.

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Superintendent to operate large Eastern Vegetable Oil Refinery—must have 10 or more years experience and be familiar with both batch and continuous methods. Excellent opportunity in established company. Please supply full details and experience. Box 475.

POSITIONS WANTED

Ink factory manager; experienced; willing, able, assume charge, responsibility for: General plant operation; Purchasing (knowledge raw materials, sources, etc.); Office-branch management; Personnel, customer relations. College graduate. Reply invited only from A-1 reputable concern. OPD 471.

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Pulverizing, Individual with long experience in grinding wide variety of materials, and having private pulverizing plant available for immediate use, is desirous of contacting concern having need of such service. Location, New Jersey. OPD 473.

Waste solvents converted into dollars. Save solvents and money. We buy or expertly reclaim for you wash thinner, acetone, MEK, lacquer thinner, chlorinated solvents. Queen Chemical Co., 93 Georgia Ave., Brooklyn, N. Y., HYacinth 8-8120.

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NPA Plans Priorities

—Continued from page 3

benzol, is also said by officials to be one of insufficient productive capacity to meet needs. Both chlorine and benzene have been put under inventory controls by NPA as a means of spreading supplies, but there is no evidence that this has made any more available or dislodged any supplies from stocks which might be considered excessive under the order. The talk of expanding production of chlorine, however, is still in a very preliminary stage.

Conference on Sulphur Held

Sulphur, a third material in the chemicals field that is presently plaguing NPA officials because of insufficient supplies, was the subject of a conference with industry producers September 25. Attending the meeting with William H. Harrison, Administrator of NPA, and Charles Concannon, chief of the chemicals section, were the following:—

H. R. Wemple, Judson Fleming, and Lucian Walker of Texas Gulf Sulphur Company; Langourne M. Williams, and Thomas Vaughn of Freeport Sulphur Company; Micheal J. Deutch, and Charles J. Ferry of Jefferson Lake Sulphur Company, and George F. Zoffman and Lee Ashcraft of Duval Texas Sulphur Company.

Above ground supplies of sulphur are estimated at about half of the World War II peak of approximately 5,000,000 tons. The problem of increasing supplies is a technical one which the industry has been unable to overcome. As a result a strict program of conserving available supplies is being urged by NPA.

It was learned in other quarters, however, that any immediate expansion of production in the chemical industry, or any other industry for that matter, is very doubtful until the things get squared away on how such expeditures by industry will be viewed under the new tax law.

Amortizing Building Costs

Provision is contained in the new revenue act, which President Truman signed September 22, for amortizing the cost of new facilities put into operation by industry over a period of five years, provided the facilities are certified as necessary for national defense. In view of the fact that congress is pledged to write an excess profits tax law in a few months that will be retroactive to October 1, it is of the utmost importance to industry that their new facilities be certified.

During World War II, when a similar speed-up amortization provision was contained in the law, the War Production Board was the certifying agency and it refused to certify any facility or new construction that had been acquired or undertaken prior to the issuance of the certificate. President Truman is required to name the certifying agency under the present law and until this is done and the agency starts to function, most all expansion plans will be held in abeyance by industry.

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CHLORINATED SOLVENTS, CADMIUM & NICKEL CHEMICALS, TITANIUMS, LITHOPONE, PHENOL, SODA (Ash, Caustic, Nitrite, Bicarbonate, Bichromate), PHOSPHATES, PHTHALIC ANHYDRIDE, PENTAERYTHRITOL, SACCHARIN, VANILLIN

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HANOVER 2-6970

Minerals, Energy Unit

—Continued from page 5

Stewart had been an oil and gas consultant, with offices in Denver, Col.

D. L. Marlett, assistant administrator of the Bonneville Power Administration, was named to handle defense matters in the electric power field; Dan. H. Wheeler, assistant director of the division of territories, was named to head up the solid fuels unit, and James Boyd, director of the bureau of mines, will handle the metals and minerals functions. George Lamb, assistant to the president of the Pittsburgh Consolidated Coal Company, was appointed a consultant to Mr. Chapman to aid in organizing a staff to administer defense functions in the solid fuels field.

Function of the Agency

Functions of MEA, Secretary Chapman said, will be to:—Expand and maintain the supply of raw materials or services for which the divisions have responsibility; prepare estimated requirements for equipment, supplies, transportation and storage facilities, and manpower required for the supply programs; distribute the resources under their jurisdiction consistently with allocation and priority determinations; assure maximum use and conservation of productive resources used by industries under the jurisdiction of these divisions.

Also, to initiate proposals under title III of the defense production act, for department guarantee of loans, certification of need for loans and purchase, and installation of government-owned equipment; promote conservation by consuming industries and the public; recommend industry-regulating and consumption-regulating and consumption-regulating orders for issuance by the administrator; recommend price policies to the administrator; collect and analyze statistics on supply and distribution of resources.

Pennsalt Plays Host

—Continued from page 4

executives of the company seated with him on the dais and presented the Danish Ambassador, Henry Kauffmann. In reply, Ambassador Kauffmann expressed the long-standing friendship that has existed between his country and the company by creating Mr. Beale a Commander of the Dannebrog, the oldest order of knighthood still in existence.

First instituted in 1219 and revived in 1671, the Dannebrog has two ranks, those of commander and knight. The cross of commander, the highest rank, is of gold and enamel and bears the initials of the Danish king. Mr. Beale is one of very few Americans to receive this ancient honor, which entitles its wearer to the use of the letters "K.D." after his name, as the title "Sir" is not used in Denmark.

Tribute to Company's Founders

A centennial is not a static event, said George B. Beitzel, president of Pennsalt, who next addressed the gathering. The completion of 100 years of corporate existence is a high point in the track from which one can view the road ahead as well as the distance travelled, he continued.

Paying tribute to the courage of the company's five founders who, with small funds and an unproved process chose to enter business on their own, Mr. Beitzel opined that the company might never have been started under the business conditions obtaining today. The modern urge for security has rendered venture and enterprise unknown qualities to many Americans, he said.

In the speaker's opinion, taxes now collected for security could better be invested in opportunities because business ventures by government are not made for the same reasons as those by individuals and do not have the same results. Since the last war, we have rebuilt our industrial capacity for peace, he said. Capital investment in the chemical industry alone has more than doubled in the last five years. His own company's sales have almost tripled in the last three years, he stated, with products new since 1940 contributing 32 percent of sales volume during the first six months of 1950 and with these same new products responsible for 28 percent of profits earned during the period.

In addition, Mr. Beitzel said, there exists a backlog of promising new products large enough to keep the company thoroughly busy for the next three or four years. Therefore, he concluded, the company is in a sound position to face the challenge of the day which is, he stated, the threat of attack on the rights and dignity of the individual.

P.A.'s Eye View

—Continued from page 5

be felt and students returning to school have left many jobs unfilled and in need of capable workers. Strikes in the chemical industry have caused a number of factories to reduce working time, as has the shortage of copper and zinc in brass and brass-consuming industries.

Buying Policy

The shift from a maximum future coverage of ninety days, which was the predominant policy the first four months of this year, was gradually increased up to August, when the range was 60 percent at sixty to ninety days, and 28 percent over ninety days and up to five months. In September, the general policy remained the same as August. If assurance of delivery and price were obtainable, the future coverage might be extended. At present, it is probable that production material purchase commitments are on the short side of finished product sales bookings. Voluntary limitations on the acceptance of orders by many producers of basic raw materials are having their effect on purchases; so, free-wheeling sales of finished products will have to subside.

Specific Commodity Changes

Up—up—up the prices go, about the same number as the sharp upswing in August and much higher in percentage. Nothing goes down and few prices have avoided the creeps during this period.

To mention only a few of the important items up in September:—alcohol, alkalies, aluminum, benzol, brass, building materials, cadmium, castings, chemicals, coaltar products, containers, copper (depending on where you buy it), cornstarch, dyetuffs, electrical equipment, food, glycerin, lead, leather, lumber, mercury, machinery, oils, paper, platinum, rubber, soap, soda ash, sulphur, steel products, textiles, zinc. For a list of the hard to get materials, just check the above.

Canada

The upswing of Canadian business lagged behind the trend in the United States during August, but it came up rapidly in September. Production and new orders increased more than in the States, in September. Price trends are about the same—inventory higher—employment increase greater—buying policy the same as in the States. War work is not an industrial factor at this time. The wave of scare buying has subsided. Business is very good in Canada.

Metal Exports Curbed

—Continued from page 3

cent or more zinc) have been placed back on the export control "positive list," and will require validated licenses for shipment to all destinations except Canada:—Battery shells and parts, unassembled, and zinc manufacture, not elsewhere specified.

OIC also announced that to prevent undue drain on domestic supplies, several nonferrous metals will be licensed during the fourth quarter on the basis of quantitative quotas.

Nonferrous metals which will be licensed under export quotas during the fourth quarter include:—Aluminum and manufactures, "Schedule B" numbers 629500 through 630998; copper and manufactures, "Schedule B" numbers 640100 through 643998; brass and bronze manufactures, "Schedule B" numbers 644000 through 647998; lead and manufactures, "Schedule B" numbers 650406 through 651598; zinc and manufactures, "Schedule B" numbers 657050.

Current Prices

—Continued from page 35

Zirconium acetate, 13% sol ZrO_2, bbls., works	lb.	.21¼	—
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
milled, electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	—
Silicate, granular, bgs., c.l., works,	lb.	.03¼	.03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	lb.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04¾	—
5 tons, works	lb.	.05¼	—
1 ton or less, works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.11	—
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works,	lb.	.37½	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½	.39

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CHROMITE—3,900 tons, Kaiser Chemical & Aluminum Corp, Zamboanga
CONCENTRATES—220 dms, American Smelting & Refining Co, Manila
CONCENTRATES & ORES—14 dms, American Smelting & Refining Co, La Union
COPRA—1,050 tons, Cargill & Co, Cebu
950 tons, Pacific Vegetable Oil Co, Cebu
1,300 tons, El Dorado Oil Works, Zamboanga
EGG YOLK—56 cs, Edeen & Pratt Inc, Taku Bar
FISHMEAL—2,000 bgs, Wilbur Ellis, Otaru
200 bgs, Enomoto & Co, Otaru
2,048 bgs, Wilbur Ellis Co, Capetown
GYPSUM, CRUDE—7,940 tons, Kaiser Gypsum Co, San Marcos
JUNIPER BERRIES—15 bgs, Bank of America, Leghorn
LICORICE ROOT—1 bg, Leghorn
LIVERMEAL—4,199 bgs, Balfour Guthrie, Montevideo
PEPPER, BLACK—588 bgs, B C Ireland, Tandjong Priok
80 bgs, J Berlage Co, Djakarta
PIMENTO—200 bgs, B C Ireland Co, Kingston
SAGE LEAVES — 300 bgs, Superintendence Co, London
SESAME SEED—100 bgs, H M Newhall, Corinto
2,240 bgs, Pacific Vegetable Oil, Taku Bar
25 bgs, Cunningham & Co, Hong Kong
SOYBEAN CAKE—500 tons, Pacific Vegetable Oil Co, Taku Bar
TANKAGE — 783 bgs, Wilbur Ellis Co, Buenos Aires
5,428 bgs, Wilbur Ellis Co, Montevideo
TAPIOCA FLOUR—1,600 bgs, Stein Hall & Co, Santos
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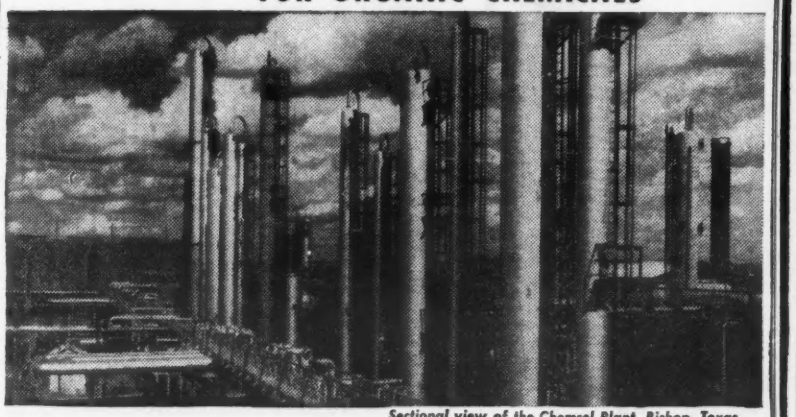

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